TO: PARTICIPANTS IN 1997 SERC WINTER BIRD COUNT

FROM: JIM LYNCH

RE: RESULT OF COUNT

DATE : 12 JANUARY 1997

Weather: So far, the winter of 1996-97 has been unusually mild. Temperatures reached into the 70's a week prior to the count, breaking all-time records for the Baltimore-Washington region. This balmy weather quickly deteriorated, and falling temperatures and snow flurries characterized the pre-count week. About 1" of new snow blanketed the count area the night before the count. The morning of the count was calm, clear, and cool (ca. 25° F). The day remained on the cool side, with afternoon temperatures peaking at 34-36° F, but a stiff breeze had built by mid-day. The Rhode River and West River were free of ice, a welcome change from last year's ice-locked conditions.

The count.-- We mustered 14 volunteers at the SERC visitor's center at 07:00. As usual, we broke up into four parties, each of which covered a different sector of the 70 km² Rhode River count area (this is only about 5% the size of a standard 1,810 km² Audubon Christmas Count circle). Each party was in the field for 6.5-9 hours. Weather conditions were reasonably good, and our final tally of 66 bird species was moderately high compared with previous SERC counts. We easily exceeded 1996's miserable total of 44 species and 1995's 60 species, but did not match the 1993,1994 counts, which yielded 70 and 68 species, respectively. Last year's ice-bound conditions were anathema to water birds, and in 1996 we counted only 2 species of waterfowl (Canada Goose and Tundra Swan). This year we tallied 13 waterfowl species, a record for the SERC count. Other major contrasts with last year's results included a steep decline in numbers of Canada Geese (313 vs. 2184) and a huge influx of Ruddy Ducks (none in past three years, vs. 1,248 this year). Unusual species (for the SERC area) in this year's count included the first ever records of Hooded Merganser and American Coot, and our second-ever Fox Sparrow and Chipping Sparrow.

Thanks to all of you for helping out, and I look forward to seeing you again next year.

cc: Ed Balinsky, Chris Barkan, Danny Bystrak, Paul Fofonoff, Tod Heisler, Chris Himes, Stephanie Jamieson, Jim Lynch, Karen Marti, Linda McCann, Jess Parker, Chris Swarth, Charles Weatherhill, Denny Whigham

No. counted in sector Species 1 2 3 4 total
Great Blue Heron 1 1 2 4
Tundra Swan 1 1 1 14 22 38
Mute Swan 2 2 4
Canada Goose 3 4 28 251 313
Mallard 11 4 3 9 27
Black Duck 1 4 42 164 66 286
Canvasback 200 718 918
Scaup sp. 75 40 115
Common Goldeneye 1 1
Bufflehead 14 55 69
Ruddy Duck 577 671 1248
Red-breasted Merganser 10 1 11
Hooded Merganser 2 7 1 10
American Coot 3 3
Turkey Vulture 5 5 2 4 16
Black Vulture 3 7 6 16
Bald Eagle 2 2
Sharp-shinned Hawk 1 1 2
Red-tailed Hawk 3 2 2 1 10
Red-shouldered Hawk 1 1 2
American Kestrel 1
Kildeer 3 8 11
Herring Gull 1 25 26
Ring-billed Gull 61 7 10 81 159
Great Black-backed Gull 1 1 1 3
Mourning Dove 6 19 25
Belted Kingfisher 2 1 1 1 5
Common Flicker 5 3 11 3 22
Pileated Woodpecker 1 1
Yellow-bellied Sapsucker 1 4 8 13
Hairy Woodpecker 6 6
Downy Woodpecker 4 10 9 11 34
Red-bellied Woodpecker 4 5 9 16 31
Red-headed Woodpecker 1 1 2
Eastern Phoebe 1 1
Common Crow 17 23 14 7 61
Blue Jay 6 14 15 11 46
Carolina Chickadeee 17 19 9 19 64

Results of 1997 SERC winter bird count (11 January 1996) - continued

	No.	counte	ed in s	ector	
Species	1	2	3	4	total
Tufted Titmouse	4	17	12	16	4 9
White-br. Nuthatch		2		2	4
Brown Creeper		2	1		3
Carolina Wren		1	2	1	4
Winter Wren	1	1	2		4
Northern Mockingbird	4		2	4	9
Brown Thrasher				2	2
American Robin				24	24
Hermit Thrush		2	9	3	14
Eastern Bluebird	5	11	25		4 1
Golden-crowned Kinglet		17	4	6	27
Cedar Waxwing			4	14	18
European Starling		1	3	3 1	35
Yellow-rumped Warbler	7	16	9	57	89
House Sparrow	2				-2
Red-winged Blackbird	103	2		115	220
Common Grackle	7			1	8
Northern Cardinal	3	9	2	16	3 0
Purple Finch				1	1
House Finch	10				10
American Goldfinch	5	18	6	17	46
Rufous-sided Towhee	2		1	7	10
Dark-eyed Junco	31	107	21	19	178
White-thr. Sparrow	16	141	93	96	346
Swamp Sparrow			1	5	6
Song Sparrow	2	23	17	16	58
Chipping Sparrow			1		1
Fox Sparrow			1		1
Total Species	4 1	36	43	5 1	66

SERC Winter Bird Checklist

Observers ED BELINSKY

JESS PARKER

Date 1-11-97 Sector 4

Party Size 4 Party Hrs 9

Miles: Foot 11 Car Boat Total 11

HUSP

HOFI

Species	Individuals			Species	Individuals	_
Mute Swan	2		2			•
Common Loon	-			Common Crow	7	+
Great Blue Heron	2		2	Fish Crow		
Tundra Swan	13	9	22	Blue Jay	6	5 11
Canada Goose				Carolina Chickadee	10	9 19
Mallard	9		9	Tufted Titmouse	8	8 16
Black Duck	52	14	66	White-br. Nuthatch	2	2
Wood Duck				Red-br. Nuthatch		
Redhead				Brown Creeper		
Canvasback	8	710	718	Carolina Wren		
Greater Scaup	(23)		A	Winter Wren		
Lesser scaup		超		N. Mockingbird	1	111 4
Scaup sp.	21	19	40	Brown Thrasher		2 2
Comm. Goldeneye			-	Gray Catbird		
Bufflehead	27	28	55	American Robin	21	3 24
Ruddy Duck	456	215	671	Hermit Thrush	2	1 3
Merganser Merganser		1		Eastern Bluebird		
Oldsquaw				Ruby-cr. Kinglet		
Turkey Vulture	4		4	Golden-cr. Kinalet	5	1 6
Black Vulture		5	6	Cedar Waxwing		3 14
Bald Eagle	2		2	European Starling	30	31
Sharp-shinned Hawk			1	Yellrumped Warbler	34	23 57
Red-tailed Hawk			ě	House Sparrow		
Red-shouldered Haw	/k			Red-winged Blackbird	15	15
American Kestrel				Eastern Meadowlark		
Bobwhite				Common Grackle		
Kildeer				Brown-headed Cowbird		41 14
Herring Gull		25	25	Northern Cardinal	12	4 16
Ring-billed Gull	6	75	81	Purple Finch		
Gr. Black-backed Gu	,		1	House Finch		0 17
Mourning Dove	19		19	Am. Goldfinch	15	2 17
Great Horned Owl				Rufsided Towhee		6 t
Barred Owl				Dark-eyed Junco	9	10 19
Barn Owl				Field Sparrow	,	0/ 0/
Belted Kingfisher	1		1	Whthroated Sparrow	70	26 96
Common Flicker	2		3	Swamp Sparrow	2	3 5
Pileated Woodpecke	r		1	Song Sparrow	5	11 16
Yellow-bel. Sapsuck	er 7	1	. 8			
Hairy Woodpecker	4	2	6			2.1
Downy Woodpecker	6	5	11		45	3.6
Red-bellied Woodpe	cker 10	6	16		8	
Eastern Phoebe) 5	
Red-headed Woodp	ecker	1	e e e e e e e e e e e e e e e e e e e			

Rare or sporadic at SERC in winter: Red-throated Loon, Pied-billed grebe, Horned Grebe, Pintail, American Widgeon, Green-winged Teal, Wood Duck, Mute Swan, Cooper's Hawk, Marsh Harrier, American Coot, American Woodcock, Common Snipe, Virginia Rail, Rock Dove, Semi-palmated Plover, Screech Owl, Red-headed Woodpecker, Marsh Wren, Evening Grosbeak, Pine Siskin, White-crowned Sparrow, Fox Sparrow, Chipping Sparrow, Tree Sparrow

Hooded

RBME RSHA EARL BRUKE BRU

Jan 1997 Comt

"Target" species - often in area, but missed on some counts

All loons and grebes All herons and egrets GBH Tundra Swan and Mute Swan both All ducks except Mallard, Black Duck, Bufflehead, Leser Scaup, Canvasback
Bald Eagle

All hawks except Red-shouldered Hawk

55 Hawk

SS Hawk

SS Hawk

SS Hawk

SS Hawk

SS Hawk

SS Hawk

All Owls X All owls All gulls except Ring-billed Gull Gr BIBIS, Herriy All shorebirds Kildeer Rock Dove X Bobwhite 7 Wild Turkey X Red-headed Woodpecker Eastern Phoebe Fish Crow * Red-breasted Nuthatch and White-breasted Nuthatch Winter Wren 🖊 Brown Thrasher Gray Catbird * Hermit Thrush American Robin Ruby-crowned Kinglet Goden-cr. Kinglet Loggerhead Shrike * Brown-headed Cowbird * Common Grackle Purple Finch and House Finch All sparrows except House, White-throated, and Song

	NI.				
Species	1	2. cot	<u>inted in</u> 3	sector 4	total
	· 		-		totai
Great Blue Heron	1	. 1		2	4
Tundra Swan	1	1	14	22	38
Mute Swan			2	2	4
Canada Goose	3 4	28	251		313
Mallard	11	4	3	9	27
Black Duck	14	42	164	66	286
Canvasback	200			718	918
Scaup sp.	75			40	115
Common Goldeneye				1	1
Bufflehead	14			55	6 9
Ruddy Duck	577			671	1248
Red-breasted Merganser	10	1			11
Hooded Merganser		2	7	1	10
American Coot				3	3
Turkey Vulture	5	5	2	4	16
Black Vulture	3		7	6	16
Bald Eagle				2	2
Sharp-shinned Hawk			1	1	2
Red-tailed Hawk	3	2	2	1	10
Red-shouldered Hawk	1		1		2
American Kestrel	1				1
Kildeer	3		8		1.1
Herring Gull			1	25	26
Ring-billed Gull	61	7	10	81	159
Great Black-backed Gull	1	·	1	1	3
Mourning Dove	·	6	·	19	25
Belted Kingfisher	2	1	1	1	5
Common Flicker	5	3	11	3	22
Pileated Woodpecker	Ü	O		1	1
Yellow-bellied Sapsucker		1	4	8	13
Hairy Woodpecker		'	7	6	6
Downy Woodpecker	4	10	9	1 1	_
Red-bellied Woodpecker	4	5	9	16	3 4
Red-headed Woodpecker	7	1	9	1	3 1
Eastern Phoebe	1	1		1	2
Common Crow	17	23	14	7	61
Blue Jay	6	14	15	11	61
Carolina Chickadeee	17	19	9		46
Caronia Ornonaucce	1 /	19	9	19	6 4

Results of 1997 SERC winter bird count (11 January 1996) - continued

	No.	counte	ed in s	ector	
Species	1	2	3	4	total
Tufted Titmouse	4	17	12	16	49
White-br. Nuthatch		2		2	4
Brown Creeper		2	1		3
Carolina Wren		1	2	1	4
Winter Wren	1	1	2		4
Northern Mockingbird	4		2	4	9
Brown Thrasher				2	2
American Robin				24	24
Hermit Thrush		2	9	3	14
Eastern Bluebird	5	11	25		4 1
Golden-crowned Kinglet		17	4	6	27
Cedar Waxwing			4	14	18
European Starling		1	3	3 1	35
Yellow-rumped Warbler	7	16	9	57	8 9
House Sparrow	2				2
Red-winged Blackbird	103	2		115	220
Common Grackle	7			1	8
Northern Cardinal	3	9	2	16	30
Purple Finch				1	1
House Finch	10				10
American Goldfinch	5	18	6	17	46
Rufous-sided Towhee	2		1	7	10
Dark-eyed Junco	31	107	21	19	178
White-thr. Sparrow	16	141	93	96	346
Swamp Sparrow			1	5	6
Song Sparrow	2	23	17	16	58
Chipping Sparrow			1		1
Fox Sparrow			1		1
Total Species	41	36	43	5 1	66

	N	 lo. co	unted in	sector			
Species	1	2	3	4	total		
Great Blue Heron	1	. 1		2	4		
Tundra Swan	1	1	14	22	38		
Mute Swan			2	2	4		
Canada Goose	3 4	28	251		313		
Mallard	11	4	3	9	27		
Black Duck	1 4	42	164	66	286		
Canvasback	200)		718	918		
Scaup sp.	75			40	115		
Common Goldeneye				1	1		
Bufflehead	14			5 5	69		
Ruddy Duck	577	7		671	1248		
Red-breasted Merganser	10	1		0, 1	11		
Hooded Merganser		2	7	1	10		
American Coot			·	3	3		
Turkey Vulture	5	5	2	4	16		
Black Vulture	3		7	6	16		
Bald Eagle			,	2	2		
Sharp-shinned Hawk			1	1	2		
Red-tailed Hawk	3	2	2	1	10		
Red-shouldered Hawk	1	_	1	•	2		
American Kestrel	1		•		4		
Kildeer	3		8		1 1		
Herring Gull			1	25	26		
Ring-billed Gull	6 1	7	10	81	26		
Great Black-backed Gull	1	,	1	1	159		
Mourning Dove	•	6	'	19	3		
Belted Kingfisher	2	1	1	1 9	25		
Common Flicker	5	3	11	3	5		
Pileated Woodpecker	0	J	1 1	3	22		
Yellow-bellied Sapsucker		1	4	8	1.0		
Hairy Woodpecker			4	6	1 3		
Downy Woodpecker	4	10	9	1 1	6		
Red-bellied Woodpecker	4	5	9	16	3 4		
Red-headed Woodpecker	7	1	9	16	3 1		
Eastern Phoebe	1	ŧ		1	2		
Common Crow	17	23	1.4	7	0.1	*	
Blue Jay	6		14	1	61		
Carolina Chickadeee		14	15	1.0	46		
Jaronna Offichaueee	17	19	9	19	6 4		

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Species	1	2	3	4	total
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White-br. Nuthatch		2		2	4
Brown Creeper		2	1		3
Carolina Wren		1	2	1	4
Winter Wren	1	1	2		4
Northern Mockingbird	4		2	4	9
Brown Thrasher				2	2
American Robin				24	24
Hermit Thrush		2	9	3	1 4
Eastern Bluebird	5	11	25		41
Golden-crowned Kinglet		17	4	6	27
Cedar Waxwing			4	14	18
European Starling		1	3	3 1	35
Yellow-rumped Warbler	7	16	9	57	8 9
House Sparrow	2				2
Red-winged Blackbird	103	2		115	220
Common Grackle	7			1	8
Northern Cardinal	3	9	2	16	30
Purple Finch				1	1
House Finch	10				10
American Goldfinch	5	18	6	17	46
Rufous-sided Towhee	2		1	7	10
Dark-eyed Junco	31	107	21	19	178
White-thr. Sparrow	16	141	93	96	346
Swamp Sparrow			1	5	6
Song Sparrow	2	23	17	16	58
Chipping Sparrow			1		1
Fox Sparrow			1		1
Total Species	4 1	36	43	5 1	66

	Nc		nted in		
Species	1	2	3	4	total
Great Blue Heron	1	. 1		2	4
Tundra Swan	1	1	14	22	38
Mute Swan			2	2	4
Canada Goose	34	28	251		313
Mallard	11	4	3	9	27
Black Duck	14	42	164	66	286
Canvasback	200			718	918
Scaup sp.	75			40	115
Common Goldeneye				1	1
Bufflehead	14			5 5	6 9
Ruddy Duck	577			671	1248
Red-breasted Merganser	10	1			11
Hooded Merganser		2	7	1	10
American Coot				3	3
Turkey Vulture	5	5	2	4	16
Black Vulture	3		7	6	16
Bald Eagle				2	2
Sharp-shinned Hawk			1	1	2
Red-tailed Hawk	3	2	2	1	10
Red-shouldered Hawk	1		1		2
American Kestrel	1				1
Kildeer	3		8		11
Herring Gull			1	25	26
Ring-billed Gull	61	7	10	81	159
Great Black-backed Gull	1		1	1	3
Mourning Dove		6		19	25
Belted Kingfisher	2	1	1	1	5
Common Flicker	5	3	11	3	22
Pileated Woodpecker				1	1
Yellow-bellied Sapsucker		1	4	8	13
Hairy Woodpecker				6	6
Downy Woodpecker	4	10	9	11	3 4
Red-bellied Woodpecker	4	5	9	16	3 1
Red-headed Woodpecker		1		1	2
Eastern Phoebe	1				1
Common Crow	17	23	14	7	61
Blue Jay	6	14	15	11	46
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Tufted Titmouse	4	17	12	16	4 9
White-br. Nuthatch		2		2	4
Brown Creeper		2	1		3
Carolina Wren		1	2	1	4
Winter Wren	1	1	2		4
Northern Mockingbird	4		2	4	9
Brown Thrasher				2	2
American Robin				24	24
Hermit Thrush		2	9	3	14
Eastern Bluebird	5	11	25		4 1
Golden-crowned Kinglet		17	4	6	27
Cedar Waxwing			4	14	18
European Starling		1	3	3 1	35
Yellow-rumped Warbler	7	16	9	57	8 9
House Sparrow	2				2
Red-winged Blackbird	103	2		115	220
Common Grackle	7			1	8
Northern Cardinal	3	9	2	16	30
Purple Finch				1	1
House Finch	10				1 0
American Goldfinch	5	18	6	17	46
Rufous-sided Towhee	2		1	7	10
Dark-eyed Junco	31	107	21	19	178
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Song Sparrow	2	23	17	16	58
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Fox Sparrow			1		1
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Scaup sp.	75			40	115	
Common Goldeneye				1	1	
Bufflehead	14			55	6 9	
Ruddy Duck	577			671	1248	
Red-breasted Merganser	10	1			11	
Hooded Merganser		2	7	1	1 0	
American Coot				3	3	
Turkey Vulture	5	5	2	4	16	
Black Vulture	3		7	6	16	
Bald Eagle				2	2	
Sharp-shinned Hawk			1	1	2	
Red-tailed Hawk	3	2	2	1	10	
Red-shouldered Hawk	1		1		2	
American Kestrel	1				1	
Kildeer	3		8		11	<u> </u>
Herring Gull			1	25	26	
Ring-billed Gull	61	7	10	81	159	
Great Black-backed Gull	1		1	1	3	
Mourning Dove		6		19	25	
Belted Kingfisher	2	1	1	1	5	
Common Flicker	5	3	11	3	22	
Pileated Woodpecker				1	1	
Yellow-bellied Sapsucker		1	4	8	13	
Hairy Woodpecker				6	6	
Downy Woodpecker	4	10	9	11	3 4	
Red-bellied Woodpecker	4	5	9	16	3 1	
Red-headed Woodpecker		1		1	2	
Eastern Phoebe	1				1	
Common Crow	17	23	14	7	61	
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American Coot				3	3
Turkey Vulture	5	5	2	4	16
Black Vulture	3		7	6	16
Bald Eagle				2	2
Sharp-shinned Hawk			1	1	2
Red-tailed Hawk	3	2	2	1	10
Red-shouldered Hawk	1		1		2
American Kestrel	1				1
Kildeer	3		8		11
Herring Gull			1	25	26
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Great Black-backed Gull	1		1	1	3
Mourning Dove		6		19	25
Belted Kingfisher	2	1	1	1	5
Common Flicker	5	3	11	3	22
Pileated Woodpecker				1	1
Yellow-bellied Sapsucker		1	4	8	13
Hairy Woodpecker				6	6
Downy Woodpecker	4	10	9	11	3 4
Red-bellied Woodpecker	4	5	9	16	3 1
Red-headed Woodpecker		1		1	2
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Northern Mockingbird	4		2	4	9
Brown Thasher				2	2
American Robin				24	2 4
Hermit Tirush		2	9	3	1 4
Eastern Buebird	5	11	25		4 1
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Purple Firsh				1	1
House Finance	10				10
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Dark-eyed Junco	31	107	21	19	178
White-thr. Sparrow	16	141	93	96	346
Swamp Sparrow			1	5	6
Song Sparrow	2	23	17	16	58
Chipping Soarrow			1		1
Fox Sparro			1		1
Total Species	41	36	43	5 1	66

	NIc		ustaal is		
Species	1	2	inted in 3	sector 4	total
Great Blue Heron	 1		 -	 2	4
Tundra Swan	1	1	14	22	38
Mute Swan		•	2	2	4
Canada Goose	3 4	28	251	_	313
Mallard	11	4	3	9	27
Black Duck	14	42	164	66	286
Canvasback	200		101	718	918
Scaup sp.	75			40	115
Common Goldeneye				1	1
Bufflehead	14			5 5	69
Ruddy Duck	577			671	1248
Red-breasted Merganser	10	1		071	11
Hooded Merganser		2	7	1	1 0
American Coot			·	3	3
Turkey Vulture	5	5	2	4	16
Black Vulture	3		7	6	16
Bald Eagle			·	2	2
Sharp-shinned Hawk			1	1	2
Red-tailed Hawk	3	2	2	1	10
Red-shouldered Hawk	1		1		2
American Kestrel	1				1
Kildeer	3		8		11
Herring Gull			1	25	26
Ring-billed Gull	61	7	10	81	159
Great Black-backed Gull	1		1	1	3
Mourning Dove		6		19	25
Belted Kingfisher	2	1	1	1	5
Common Flicker	5	3	11	3	22
Pileated Woodpecker				1	1
Yellow-bellied Sapsucker		1	4	8	13
Hairy Woodpecker				6	6
Downy Woodpecker	4	10	9	11	34
Red-bellied Woodpecker	4	5	9	16	3 1
Red-headed Woodpecker		1		1	2
Eastern Phoebe	1				1
Common Crow	17	23	14	7	61
Blue Jay	6	14	15	11	46
Carolina Chickadeee	17	19	9	19	6 4

Results of 1997 SERC winter bird count (11 January 1996) - continued

	No.	count			
Species	1	2	3	4	total
Tufted Titmouse	4	17	12	16	4 9
White-br. Nuthatch		2		2	4
Brown Creeper		2	1		3
Carolina Wren		1	2	1	4
Winter Wren	1	1	2		4
Northern Mockingbird	4		2	4	9
Brown Thrasher				2	2
American Robin				24	24
Hermit Thrush		2	9	3	14
Eastern Bluebird	5	11	25		41
Golden-crowned Kinglet		17	4	6	27
Cedar Waxwing			4	14	18
European Starling		1	3	3 1	35
Yellow-rumped Warbler	7	16	9	57	8 9
House Sparrow	2				2
Red-winged Blackbird	103	2		115	220
Common Grackle	7			1	8
Northern Cardinal	3	9	2	16	30
Purple Finch				1	1
House Finch	10				10
American Goldfinch	5	18	6	17	46
Rufous-sided Towhee	2		1	7	10
Dark-eyed Junco	31	107	21	19	178
White-thr. Sparrow	16	141	93	96	346
Swamp Sparrow			1	5	6
Song Sparrow	2	23	17	16	58
Chipping Sparrow			1		1
Fox Sparrow			1		1
Total Species	41	36	43	5 1	66

	No	. cour	nted in s	sector	
Species	1	2	3	4	total
Great Blue Heron					
Tundra Swan	1	1	14	2 22	4
Mute Swan	'	'	2	2	38 4
Canada Goose	3 4	28	251	۷	313
Mallard	11	4	3	9	27
Black Duck	14	42	164	66	286
Canvasback	200	42	104	718	918
Scaup sp.	75			40	115
Common Goldeneye	7 3			1	113
Bufflehead	14			5 5	69
Ruddy Duck	577			671	1248
Red-breasted Merganser	10	1		071	11
Hooded Merganser	10	2	7	1	10
American Coot			1	3	3
Turkey Vulture	5	5	2	4	1 6
Black Vulture	3	5	7	6	16
Bald Eagle	O		,	2	2
Sharp-shinned Hawk			1	1	2
Red-tailed Hawk	3	2	2	1	10
Red-shouldered Hawk	1	_	1	'	2
American Kestrel	1		•		1
Kildeer	3		8		11
Herring Gull	Ŭ		1	25	26
Ring-billed Gull	6 1	7	1 0	81	159
Great Black-backed Gull	1	•	1	1	3
Mourning Dove	•	6	·	19	25
Belted Kingfisher	2	1	1	1	5
Common Flicker	5	3	11	3	22
Pileated Woodpecker				1	1
Yellow-bellied Sapsucker		1	4	8	13
Hairy Woodpecker		·	'	6	6
Downy Woodpecker	4	10	9	11	3 4
Red-bellied Woodpecker	4	5	9	16	31
Red-headed Woodpecker		1	, and the second	1	2
Eastern Phoebe	1	•			1
Common Crow	17	23	14	7	61
Blue Jay	6	14	15	11	46
Carolina Chickadeee	17	19	9	19	6 4

_	No.		nted in s		
Species	1	2	3	4	total
Great Blue Heron	1	1		2	4
Tundra Swan	1	1	1 4	22	38
Mute Swan			2	2	4
Canada Goose	3 4	28	251		313
Mallard	11	4	3	9	27
Black Duck	14	42	164	66	286
Canvasback	200			718	918
Scaup sp.	75			40	115
Common Goldeneye				1	1
Bufflehead	14			55	6 9
Ruddy Duck	577			671	1248
Red-breasted Merganser	10	1			11
Hooded Merganser		2	7	1	10
American Coot				3	3
Turkey Vulture	5	5	2	4	16
Black Vulture	3		7	6	16
Bald Eagle				2	2
Sharp-shinned Hawk			1	1	2
Red-tailed Hawk	3	2	2	1	10
Red-shouldered Hawk	1		1		2
American Kestrel	1				1
Kildeer	3		8		11
Herring Gull			1	25	26
Ring-billed Gull	6 1	7	10	81	159
Great Black-backed Gull	1		1	1	3
Mourning Dove		6		19	25
Belted Kingfisher	2	1	1	1	5
Common Flicker	5	3	11	3	22
Pileated Woodpecker				1	1
Yellow-bellied Sapsucker		1	4	8	13
Hairy Woodpecker				6	6
Downy Woodpecker	4	10	9	11	3 4
Red-bellied Woodpecker	4	5	9	16	3 1
Red-headed Woodpecker		1		1	2
Eastern Phoebe	1				1
Common Crow	17	23	1 4	7	61
Blue Jay	6	14	15	11	46
Carolina Chickadeee	17	19	9	19	6 4

-	<u> No.</u>		ited in s		Andal
Species	1	2	3	4	total
Great Blue Heron	1	1		2	4
Tundra Swan	1	1	1 4	22	38
Mute Swan			2	2	4
Canada Goose	3 4	28	251		313
Mallard	11	4	3	9	27
Black Duck	14	42	164	66	286
Canvasback	200			718	918
Scaup sp.	75			40	115
Common Goldeneye				1	1
Bufflehead	14			5 5	6 9
Ruddy Duck	577			671	1248
Red-breasted Merganser	10	1			11
Hooded Merganser		2	7	1	10
American Coot				3	3
Turkey Vulture	5	5	2	4	16
Black Vulture	3		7	6	16
Bald Eagle				2	2
Sharp-shinned Hawk			1	1	2
Red-tailed Hawk	3	2	2	1	10
Red-shouldered Hawk	1		1		2
American Kestrel	1				1
Kildeer	3		8		11
Herring Gull			1	25	26
Ring-billed Gull	6 1	7	10	81	159
Great Black-backed Gull	1		1	1	3
Mourning Dove		6		19	25
Belted Kingfisher	2	1	1	1	5
Common Flicker	5	3	11	3	22
Pileated Woodpecker				1	1
Yellow-bellied Sapsucker		1	4	8	13
Hairy Woodpecker				6	6
Downy Woodpecker	4	10	9	11	3 4
Red-bellied Woodpecker	4	5	9	16	3 1
Red-headed Woodpecker		1		1	2
Eastern Phoebe	1				1
Common Crow	17	23	14	7	61
Blue Jay	6	14	15	11	46
Carolina Chickadeee	17	19	9	19	6 4

	No.	COLI	nted in s	ector	
Species	1	2	3	4	total
Great Blue Heron	1	 1		2	4
Tundra Swan	1	1	14	22	38
Mute Swan			2	2	4
Canada Goose	3 4	28	251		313
Mallard	11	4	3	9	27
Black Duck	14	42	164	66	286
Canvasback	200			718	918
Scaup sp.	75			40	115
Common Goldeneye				1	1
Bufflehead	14			55	6 9
Ruddy Duck	577			671	1248
Red-breasted Merganser	10	1			11
Hooded Merganser		2	7	1	10
American Coot				3	3
Turkey Vulture	5	5	2	4	1 6
Black Vulture	3		7	6	16
Bald Eagle				2	2
Sharp-shinned Hawk			1	1	2
Red-tailed Hawk	3	2	2	1	10
Red-shouldered Hawk	1		1		2
American Kestrel	1				1
Kildeer	3		8		11
Herring Gull			1	25	26
Ring-billed Gull	6 1	7	10	81	159
Great Black-backed Gull	1		1	1	3
Mourning Dove		6		19	25
Belted Kingfisher	2	1	1	1	5
Common Flicker	5	3	11	3	22
Pileated Woodpecker				1	1
Yellow-bellied Sapsucker		1	4	8	13
Hairy Woodpecker				6	6
Downy Woodpecker	4	10	9	11	3 4
Red-bellied Woodpecker	4	5	9	16	3 1
Red-headed Woodpecker		1		1	2
Eastern Phoebe	1				1
Common Crow	17	23	1 4	7	61
Blue Jay	6	14	15	11	46
Carolina Chickadeee	17	19	9	19	6 4

	No	. cour	nted in s	sector		
Species	1	2	3	4	total	
Great Blue Heron	1	1		2	4	
Tundra Swan	1	1	1 4	22	38	
Mute Swan			2	2	4	
Canada Goose	3 4	28	251		313	
Mallard	11	4	3	9	27	
Black Duck	14	42	164	66	286	
Canvasback	200			718	918	
Scaup sp.	75			40	115	
Common Goldeneye				1	1	
Bufflehead	14			55	6 9	
Ruddy Duck	577			671	1248	
Red-breasted Merganser	10	1			11	
Hooded Merganser		2	7	1	10	
American Coot				3	3	
Turkey Vulture	5	5	2	4	16	
Black Vulture	3		7	6	16	
Bald Eagle				2	2	
Sharp-shinned Hawk			1	1	2	
Red-tailed Hawk	3	2	2	1	10	
Red-shouldered Hawk	1		1		2	
American Kestrel	1				1	
Kildeer	3		8		11	
Herring Gull			1	25	26	
Ring-billed Gull	6 1	7	10	81	159	
Great Black-backed Gull	1		1	1	3	
Mourning Dove		6		19	25	
Belted Kingfisher	2	1	1	1	5	
Common Flicker	5	3	11	3	22	
Pileated Woodpecker				1	1	
Yellow-bellied Sapsucker		1	4	8	13	
Hairy Woodpecker				6	6	
Downy Woodpecker	4	10	9	11	3 4	
Red-bellied Woodpecker	4	5	9	16	3 1	
Red-headed Woodpecker		1		1	2	
Eastern Phoebe	1				1	
Common Crow	17	23	14	7	61	
Blue Jay	6	14	15	11	46	
Carolina Chickadeee	17	19	9	19	6 4	

Species	<u>No</u>	<u>. cour</u> 2	nted in s 3	sector 4	total
	<u>'</u>		3	4	total
Great Blue Heron	1	1		2	4
Tundra Swan	1	1	1 4	22	38
Mute Swan			2	2	4
Canada Goose	3 4	28	251		313
Mallard	11	4	3	9	27
Black Duck	1 4	42	164	66	286
Canvasback	200			718	918
Scaup sp.	75			40	115
Common Goldeneye				1	1
Bufflehead	1 4			5 5	6 9
Ruddy Duck	577			671	1248
Red-breasted Merganser	10	1			11
Hooded Merganser		2	7	1	1 0
American Coot				3	3
Turkey Vulture	5	5	2	4	16
Black Vulture	3		7	6	16
Bald Eagle				2	2
Sharp-shinned Hawk			1	1	2
Red-tailed Hawk	3	2	2	1	1 0
Red-shouldered Hawk	1		1		2
American Kestrel	1				1
Kildeer	3		8		11
Herring Gull			1	25	26
Ring-billed Gull	6 1	7	10	81	159
Great Black-backed Gull	1		1	1	3
Mourning Dove		6		19	25
Belted Kingfisher	2	1	1	1	5
Common Flicker	5	3	11	3	22
Pileated Woodpecker				1	1
Yellow-bellied Sapsucker		1	4	8	13
Hairy Woodpecker				6	6
Downy Woodpecker	4	10	9	11	3 4
Red-bellied Woodpecker	4	5	9	16	3 1
Red-headed Woodpecker		1		1	2
Eastern Phoebe	1				1
Common Crow	17	23	14	7	61
Blue Jay	6	14	15	11	46
Carolina Chickadeee	17	19	9	19	6 4

	No	COLIF	nted in s	coctor		
Species	1	. <u>cour</u> 2	3	4	total	
Opecies	1	_	3	4	เปลา	
Great Blue Heron	1	1		2	4	
Tundra Swan	1	1	14	22	38	
Mute Swan			2	2	4	
Canada Goose	34	28	251		313	
Mallard	11	4	3	9	27	
Black Duck	14	42	164	66	286	
Canvasback	200			718	918	
Scaup sp.	75			40	115	
Common Goldeneye				1	1	
Bufflehead	14			5 5	69	
Ruddy Duck	577			671	1248	
Red-breasted Merganser	10	1		.	11	
Hooded Merganser		2	7	1	10	
American Coot			•	3	3	
Turkey Vulture	5	5	2	4	16	
Black Vulture	3		7	6	16	
Bald Eagle	Ü		,	2	2	
Sharp-shinned Hawk			1	1	2	
Red-tailed Hawk	3	2	2	1	10	
Red-shouldered Hawk	1	_	1	•	2	
American Kestrel	1		•		1	
Kildeer	3		8		11	
Herring Gull			1	25	26	
Ring-billed Gull	6 1	7	10	81	159	
Great Black-backed Gull	1		1	1	3	
Mourning Dove		6	•	19	25	
Belted Kingfisher	2	1	1	1	5	
Common Flicker	5	3	11	3	22	
Pileated Woodpecker	Ü	O		1	1	
Yellow-bellied Sapsucker		1	4	8	13	
Hairy Woodpecker		•	•	6	6	
Downy Woodpecker	4	10	9	11	3 4	
Red-bellied Woodpecker	4	5	9	16	31	
Red-headed Woodpecker	,	1	O	1	2	
Eastern Phoebe	1				1	
Common Crow	17	23	14	7	61	
Blue Jay	6	14	15	11	46	
Carolina Chickadeee	17	19	9	19	6 4	

	No	. cour	nted in s	sector	
Species	1	2	3	4	total
Great Blue Heron	1	1		2	4
Tundra Swan	1	1	14	22	38
Mute Swan			2	2	4
Canada Goose	3 4	28	251		313
Mallard	11	4	3	9	27
Black Duck	14	42	164	66	286
Canvasback	200			718	918
Scaup sp.	75			40	115
Common Goldeneye				1	1
Bufflehead	14			55	6 9
Ruddy Duck	577			671	1248
Red-breasted Merganser	10	1			11
Hooded Merganser		2	7	1	10
American Coot				3	3
Turkey Vulture	5	5	2	4	16
Black Vulture	3		7	6	16
Bald Eagle				2	2
Sharp-shinned Hawk			1	1	2
Red-tailed Hawk	3	2	2	1	10
Red-shouldered Hawk	1		1		2
American Kestrel	1				1
Kildeer	3		8		11
Herring Gull			1	25	26
Ring-billed Gull	6 1	7	10	81	159
Great Black-backed Gull	1		1	1	3
Mourning Dove		6		19	25
Belted Kingfisher	2	1	1	1	5
Common Flicker	5	3	11	3	22
Pileated Woodpecker				1	1
Yellow-bellied Sapsucker		1	4	8	13
Hairy Woodpecker				6	-6
Downy Woodpecker	4	10	9	11	3 4
Red-bellied Woodpecker	4	5	9	16	3 1
Red-headed Woodpecker		1		1	2
Eastern Phoebe	1				1
Common Crow	17	23	14	7	61
Blue Jay	6	14	15	11	46
Carolina Chickadeee	17	19	9	19	6 4

	No	. cour	nted in s	sector		
Species	1	2	3	4	total	
Great Blue Heron	1			2	4	
Tundra Swan	1	1	14	22	38	
Mute Swan			2	2	4	
Canada Goose	3 4	28	251		313	
Mallard	11	4	3	9	27	
Black Duck	14	42	164	66	286	
Canvasback	200			718	918	
Scaup sp.	75			40	115	
Common Goldeneye				1	1	
Bufflehead	14			55	6 9	
Ruddy Duck	577			671	1248	
Red-breasted Merganser	10	1			1 1	
Hooded Merganser		2	7	1	1 0	
American Coot				3	3	
Turkey Vulture	5	5	2	4	1 6	
Black Vulture	3		7	6	1 6	
Bald Eagle				2	2	
Sharp-shinned Hawk			1	1	2	
Red-tailed Hawk	3	2	2	1	1 0	
Red-shouldered Hawk	1		1		2	
American Kestrel	1				1	
Kildeer	3		8		1 1	
Herring Gull			1	25	26	
Ring-billed Gull	6 1	7	10	81	159	
Great Black-backed Gull	1		1	1	3	
Mourning Dove		6		19	25	
Belted Kingfisher	2	1	1	1	5	
Common Flicker	5	3	11	3	2 2	
Pileated Woodpecker				1	1	
Yellow-bellied Sapsucker		1	4	8	13	
Hairy Woodpecker				6	6	
Downy Woodpecker	4	10	9	11	3 4	
Red-bellied Woodpecker	4	5	9	16	3 1	
Red-headed Woodpecker		1		1	2	
Eastern Phoebe	1				1	
Common Crow	17	23	14	7	61	
Blue Jay	6	14	15	11	46	
Carolina Chickadeee	17	19	9	19	6 4	

	No		nted in s			
Species	1	2	3	4	total	
Great Blue Heron	1	1		2	4	
Tundra Swan	1	1	1 4	22	38	
Mute Swan			2	2	4	
Canada Goose	3 4	28	251		313	
Mallard	11	4	3	9	27	
Black Duck	1 4	42	164	66	286	
Canvasback	200			718	918	
Scaup sp.	75			40	115	
Common Goldeneye				1	1	
Bufflehead	14			55	6 9	·
Ruddy Duck	577			671	1248	
Red-breasted Merganser	10	1			11	
Hooded Merganser		2	7	1	10	
American Coot				3	3	
Turkey Vulture	5	5	2	4	16	·
Black Vulture	3		7	6	16	
Bald Eagle				2	2	
Sharp-shinned Hawk			1	1	2	
Red-tailed Hawk	3	2	2	1	10	
Red-shouldered Hawk	1		1		2	
American Kestrel	1				1	
Kildeer	3		8		11	
Herring Gull			1	25	26	
Ring-billed Gull	6 1	7	10	81	159	
Great Black-backed Gull	1		1	1	3	
Mourning Dove		6		19	25	
Belted Kingfisher	2	1	1	1	5	
Common Flicker	5	3	11	3	22	
Pileated Woodpecker				1	1	
Yellow-bellied Sapsucker		1	4	8	13	
Hairy Woodpecker				6	6	
Downy Woodpecker	4	10	9	11	3 4	
Red-bellied Woodpecker	4	5	9	16	3 1	
Red-headed Woodpecker		1		1	2	
Eastern Phoebe	1				1	
Common Crow	17	23	14	7	61	
Blue Jay	6	14	15	11	46	
Carolina Chickadeee	17	19	9	19	6 4	

	.				
-	<u>No</u>		nted in s		
Species	1	2	3	4	total
Great Blue Heron	1	1		2	4
Tundra Swan	1	1	1 4	22	38
Mute Swan			2	2	4
Canada Goose	3 4	28	251		313
Mallard	11	4	3	9	27
Black Duck	14	42	164	66	286
Canvasback	200			718	918
Scaup sp.	75			40	115
Common Goldeneye				1	1
Bufflehead	14			5 5	6 9
Ruddy Duck	577			671	1248
Red-breasted Merganser	10	1			11
Hooded Merganser		2	7	1	1 0
American Coot				3	3
Turkey Vulture	5	5	2	4	16
Black Vulture	3		7	6	16
Bald Eagle				2	2
Sharp-shinned Hawk			1	1	2
Red-tailed Hawk	3	2	2	1	1 0
Red-shouldered Hawk	1		1		2
American Kestrel	1				1
Kildeer	3		8		11
Herring Gull			1	25	26
Ring-billed Gull	6 1	7	10	81	159
Great Black-backed Gull	1		1	1	3
Mourning Dove		6		19	25
Belted Kingfisher	2	1	1	1	5
Common Flicker	5	3	11	3	22
Pileated Woodpecker				1	1
Yellow-bellied Sapsucker		1	4	8	13
Hairy Woodpecker			·	6	6
Downy Woodpecker	4	10	9	11	3 4
Red-bellied Woodpecker	4	5	9	16	3 1
Red-headed Woodpecker		1		1	2
Eastern Phoebe	1	•		·	1
Common Crow	17	23	1 4	7	61
Blue Jay	6	14	15	11	46
Carolina Chickadeee	17	19	9	19	6 4

_	No	. cour	ited in s	sector		
Species	1	2	3	4	total	
Great Blue Heron	1	1		2	4	
Tundra Swan	1	1	1 4	22	38	
Mute Swan			2	2	4	
Canada Goose	34	28	251		313	
Mallard	11	4	3	9	27	
Black Duck	14	42	164	66	286	
Canvasback	200			718	918	
Scaup sp.	75			40	115	
Common Goldeneye				1	1	
Bufflehead	14			5 5	6 9	
Ruddy Duck	577			671	1248	
Red-breasted Merganser	10	1			1 1	
Hooded Merganser		2	7	1	1 0	
American Coot				3	3	
Turkey Vulture	5	5	2	4	1 6	
Black Vulture	3	Ü	7	6	1 6	
Bald Eagle	Ŭ		,	2	2	
Sharp-shinned Hawk			1	1	2	
Red-tailed Hawk	3	2	2	1	1 0	
Red-shouldered Hawk	1	-	1		2	
American Kestrel	1		•		1	
Kildeer	3		8		11	
Herring Gull	O		1	25	26	
Ring-billed Gull	6 1	7	10	81	159	
Great Black-backed Gull	1	,	1	1	3	
Mourning Dove	'	6	'	19	25	
Belted Kingfisher	2	1	1	1	5	
Common Flicker	5	3	11	3	_	
	5	3	1 1	٥	22	
Pileated Woodpecker		4	4	0	1.0	
Yellow-bellied Sapsucker		1	4	8	1 3	
Hairy Woodpecker	1	1.0	0	6	6	
Downy Woodpecker	4	10	9	1.0	3 4	
Red-bellied Woodpecker	4	5	9	16	3 1	1
Red-headed Woodpecker	4	1		1	2	
Eastern Phoebe]	0.0		reag	1	
Common Crow	1 /	23	14	/	61	
Blue Jay	6	14	15	11	46	
Carolina Chickadeee	17	19	9	1 9	6 4	

	No	COLIF	nted in s			
Species	1	2	3	4	total	
Great Blue Heron	1	1		2	4	
Tundra Swan	1	1	14	22	38	
Mute Swan			2	2	4	
Canada Goose	3 4	28	251		313	
Mallard	11	4	3	9	27	
Black Duck	14	42	164	66	286	
Canvasback	200			718	918	
Scaup sp.	75			40	115	
Common Goldeneye				1	1	
Bufflehead	14			5 5	6 9	
Ruddy Duck	577			671	1248	
Red-breasted Merganser	10	1			11	
Hooded Merganser		2	7	1	10	
American Coot				3	3	
Turkey Vulture	5	5	2	4	16	
Black Vulture	3		7	6	16	
Bald Eagle				2	2	
Sharp-shinned Hawk			1	1	2	
Red-tailed Hawk	3	2	2	1	10	
Red-shouldered Hawk	1		1		2	
American Kestrel	1				1	
Kildeer	3		8		11	
Herring Gull			1	25	26	
Ring-billed Gull	6 1	7	10	81	159	
Great Black-backed Gull	1		1	1	3	
Mourning Dove		6		1 9	25	
Belted Kingfisher	2	1	1	1	5	
Common Flicker	5	3	11	3	22	
Pileated Woodpecker	O	O		1	1	
Yellow-bellied Sapsucker		1	4	8	13	
Hairy Woodpecker		•		6	6	
Downy Woodpecker	4	10	9	1 1	3 4	
Red-bellied Woodpecker	4	5	9	16	31	
Red-headed Woodpecker		1	0	1	2	
Eastern Phoebe	1				1	
Common Crow	17	23	14	7	61	
Blue Jay	6	14	15	1 1	46	
Carolina Chickadeee	17	19	9	19	6 4	
Jaionna Ornokadeee	1 /	13	9	1 3	04	

	No	cour	nted in s	sector	
Species	1	2	3	4	total
Great Blue Heron	1	1		2	 4
Tundra Swan	1	1	14	22	38
Mute Swan			2	2	4
Canada Goose	3 4	28	251		313
Mallard	11	4	3	9	27
Black Duck	14	42	164	66	286
Canvasback	200			718	918
Scaup sp.	75			40	115
Common Goldeneye				1	1
Bufflehead	14			5 5	6 9
Ruddy Duck	577			671	1248
Red-breasted Merganser	10	1			11
Hooded Merganser		2	7	1	10
American Coot				3	3
Turkey Vulture	5	5	2	4	16
Black Vulture	3		7	6	16
Bald Eagle				2	2
Sharp-shinned Hawk			1	1	2
Red-tailed Hawk	3	2 .	2	1	1 0
Red-shouldered Hawk	1		1		2
American Kestrel	1				1
Kildeer	3		8		1 1
Herring Gull			1	25	26
Ring-billed Gull	6 1	7	10	81	159
Great Black-backed Gull	1		1	1	3
Mourning Dove		6		19	25
Belted Kingfisher	2	1	1	1	5
Common Flicker	5	3	11	3	22
Pileated Woodpecker				1	1
Yellow-bellied Sapsucker		1	4	8	13
Hairy Woodpecker				6	6
Downy Woodpecker	4	10	9	11	3 4
Red-bellied Woodpecker	4	5	9	16	3 1
Red-headed Woodpecker		1		1	2
Eastern Phoebe	1				1
Common Crow	17	23	1 4	7	61
Blue Jay	6	14	15	11	46
Carolina Chickadeee	17	19	9	19	6 4

	NIo	00115	stad in	anotor.	
Chasias	11/0		nted in s		total
Species	1	2	3	4	total
Great Blue Heron	1	1		2	4
Tundra Swan	1	1	14	22	38
Mute Swan			2	2	4
Canada Goose	3 4	28	251		313
Mallard	11	4	3	9	27
Black Duck	14	42	164	66	286
Canvasback	200			718	918
Scaup sp.	75			40	115
Common Goldeneye				1	1
Bufflehead	14			5 5	6 9
Ruddy Duck	577			671	1248
Red-breasted Merganser	10	1			11
Hooded Merganser		2	7	1	1 0
American Coot				3	3
Turkey Vulture	5	5	2	4	1 6
Black Vulture	3		7	6	1 6
Bald Eagle				2	2
Sharp-shinned Hawk			1	1	2
Red-tailed Hawk	3	2	2	1	1 0
Red-shouldered Hawk	1		1		2
American Kestrel	1				1
Kildeer	3		8		11
Herring Gull			1	25	26
Ring-billed Gull	6 1	7	10	81	159
Great Black-backed Gull	1		1	1	3
Mourning Dove		6		19	25
Belted Kingfisher	2	1	1	1	5
Common Flicker	5	3	11	3	22
Pileated Woodpecker				1	1
Yellow-bellied Sapsucker		1	4	8	13
Hairy Woodpecker				6	6
Downy Woodpecker	4	10	9	11	3 4
Red-bellied Woodpecker	4	5	9	16	3 1
Red-headed Woodpecker		1		1	2
Eastern Phoebe	1				1
Common Crow	17	23	1 4	7	61
Blue Jay	6	14	15	11	46
Carolina Chickadeee	17	19	9	19	6 4

	No	. cour	nted in s	sector	
Species	1	2	3	4	total
Great Blue Heron	1	1		2	 4
Tundra Swan	1	1	1 4	22	38
Mute Swan			2	2	4
Canada Goose	3 4	28	251		313
Mallard	11	4	3	9	27
Black Duck	14	42	164	66	286
Canvasback	200			718	918
Scaup sp.	75			40	115
Common Goldeneye				1	1
Bufflehead	14			5 5	69
Ruddy Duck	577			671	1248
Red-breasted Merganser	10	1			11
Hooded Merganser		2	7	1	1 0
American Coot				3	3
Turkey Vulture	5	5	2	4	16
Black Vulture	3		7	6	16
Bald Eagle				2	2
Sharp-shinned Hawk			1	1	2
Red-tailed Hawk	3	2	2	1	10
Red-shouldered Hawk	1		1		2
American Kestrel	1				1
Kildeer	3		8		11
Herring Gull			1	25	26
Ring-billed Gull	6 1	7	10	81	159
Great Black-backed Gull	1		1	1	3
Mourning Dove		6		19	25
Belted Kingfisher	2	1	1	1	5
Common Flicker	5	3	11	3	22
Pileated Woodpecker				1	1
Yellow-bellied Sapsucker		1	4	8	13
Hairy Woodpecker				6	6
Downy Woodpecker	4	10	9	11	3 4
Red-bellied Woodpecker	4	5	9	16	31
Red-headed Woodpecker		1		1	2
Eastern Phoebe	1				1
Common Crow	17	23	14	7	61
Blue Jay	6	14	15	11	46
Carolina Chickadeee	17	19	9	19	6 4

	No	. cour	nted in s	sector		
Species	1	2	3	4	total	
Great Blue Heron	1	1		2	4	
Tundra Swan	1	1	14	22	38	
Mute Swan			2	2	4	
Canada Goose	3 4	28	251		313	
Mallard	11	4	3	9	27	
Black Duck	14	42	164	66	286	
Canvasback	200			718	918	
Scaup sp.	75			40	115	
Common Goldeneye				1	1	
Bufflehead	14			5 5	6 9	
Ruddy Duck	577			671	1248	
Red-breasted Merganser	10	1			11	
Hooded Merganser		2	7	1	10	
American Coot				3	3	
Turkey Vulture	5	5	2	4	16	
Black Vulture	3		7	6	16	
Bald Eagle				2	2	
Sharp-shinned Hawk			1	1	2	·
Red-tailed Hawk	3	2	2	1	10	
Red-shouldered Hawk	1		1		2	
American Kestrel	1				1	
Kildeer	3		8		11	
Herring Gull			1	25	26	
Ring-billed Gull	6 1	7	10	81	159	
Great Black-backed Gull	1		1	1	3	
Mourning Dove		6		19	25	
Belted Kingfisher	2	1	1	1	5	
Common Flicker	5	3	11	3	22	
Pileated Woodpecker				1	1	
Yellow-bellied Sapsucker		1	4	8	13	
Hairy Woodpecker				6	6	
Downy Woodpecker	4	10	9	11	3 4	
Red-bellied Woodpecker	4	5	9	16	3 1	
Red-headed Woodpecker		1		1	2	
Eastern Phoebe	1				1	
Common Crow	17	23	14	7	61	
Blue Jay	6	14.	15	11	46	
Carolina Chickadeee	17	19	9	19	6 4	

	No	. cour	nted in s	sector		
Species	1	2	3	4	total	
Great Blue Heron		1		2	4	
Tundra Swan	1	1	14	22	38	
Mute Swan			2	2	4	
Canada Goose	34	28	251		313	
Mallard	11	4	3	9	27	
Black Duck	14	42	164	66	286	
Canvasback	200			718	918	
Scaup sp.	75			40	115	
Common Goldeneye				1	1	
Bufflehead	14			55	6 9	
Ruddy Duck	577			671	1248	
Red-breasted Merganser	10	1			11	
Hooded Merganser		2	7	1	10	
American Coot				3	3	
Turkey Vulture	5	5	2	4	16	
Black Vulture	3		7	6	16	
Bald Eagle				2	2	
Sharp-shinned Hawk			1	1	2	
Red-tailed Hawk	3	2	2	1	10	
Red-shouldered Hawk	1		1		2	
American Kestrel	1				1	
Kildeer	3		8		11	
Herring Gull			1	25	26	
Ring-billed Gull	6 1	7	10	81	159	
Great Black-backed Gull	1		1	1	3	
Mourning Dove		6		19	25	
Belted Kingfisher	2	1	1	1	5	
Common Flicker	5	3	11	3	22	
Pileated Woodpecker				1	1	
Yellow-bellied Sapsucker		1	4	8	13	
Hairy Woodpecker				6	6	
Downy Woodpecker	4	10	9	11	3 4	
Red-bellied Woodpecker	4	5	9	16	3 1	
Red-headed Woodpecker		1		1	2	
Eastern Phoebe	1				1	
Common Crow	17	23	14	7	61	
Blue Jay	6	14	15	11	46	
Carolina Chickadeee	17	19	9	19	6 4	

Species 1 2 3 4 total Great Blue Heron 1 1 1 2 4 Tundra Swan 1 1 14 22 38 Mute Swan 2 2 2 4 Canada Goose 34 28 251 313 Mallard 1 4 3 9 27 Black Duck 14 42 164 66 286 Canvasback 200 718 918 Scaup sp. 75 40 115 Common Goldeneye 1 1 1 Bufflehead 14 555 69 Ruddy Duck 577 671 1248 Red-breasted Merganser 1 1 1 Hooded Merganser 1 0 1 1 Red-breasted Merganser 1 0 1 1 1 Turkey Vulture 5 5 2 4		No	. cour			
Tundra Swan 1 1 1 4 2 2 4 Canacka Goose 3 4 28 251 313 Mallard 11 4 3 9 27 Black Duck 14 42 164 66 286 Canvasback 200 718 918 Scaup sp. 75 40 115 Common Goldeneye 1 1 1 Bufflehead 14 55 69 Ruddy Duck 577 671 1248 Red-breasted Merganser 10 1 11 Hooded Merganser 10 1 1 Turkey Vulture 5 5 2 4 16 Black Vulture 3	Species	1				total
Tundra Swan 1 1 1 4 2 2 4 Canada Goose 3 4 28 251 313 Mallard 11 4 3 9 27 Black Duck 14 42 164 66 286 Canvasback 200 718 918 Scaup sp. 75 40 115 Common Goldeneye 1 1 1 Bufflehead 14 55 69 Ruddy Duck 577 671 1248 Red-breasted Merganser 10 1 11 Hooded Merganser 2 7 1 10 American Coot 3 3 7 6 16 Black Vulture 5 5 2 4 16 Black Vulture 3 7 6 16 Bald Eagle 2 2 1 10 Red-tailed Hawk 1 1 2	Great Blue Haron	 1	1		2	
Mute Swan 2 2 4 Canada Goose 3 4 28 251 313 Mallard 11 4 3 9 27 Black Duck 14 42 164 66 286 Canvasback 200 718 918 Scaup sp. 75 40 115 Common Goldeneye 1 1 1 Bufflehead 14 55 69 Ruddy Duck 577 671 1248 Red-breasted Merganser 10 1 11 Hooded Merganser 10 1 11 Hed-breasted Merganser 2 7 1 10 American Coot 3 3 3 3 3 3 3 3 3 3 3 3 4 16 6 16 8 16 16 8 16 16 8 16 16 8 16 16 16		1	- I -1 '	1 /		
Canada Goose 34 28 251 313 Mallard 11 4 3 9 27 Black Duck 14 42 164 66 286 Canvasback 200 718 918 Scaup sp. 75 40 115 Common Goldeneye 1 1 1 Bufflehead 14 55 69 Ruddy Duck 577 671 1248 Red-breasted Merganser 10 1 11 Hooded Merganser 2 7 1 10 American Coot 3 3 3 3 3 Turkey Vulture 5 5 2 4 16 16 Black Vulture 3 7 6 16 2 2 2 2 2 2 2 11 1 2 2 2 2 1 10 1 1 1 2 2 2		'	'			
Mallard 11 4 3 9 27 Black Duck 14 42 164 66 286 Canvasback 200 718 918 Scaup sp. 75 40 115 Common Goldeneye 1 1 1 Bufflehead 14 55 69 Ruddy Duck 577 671 1248 Red-breasted Merganser 10 1 11 Hooded Merganser 10 1 11 Hooded Merganser 1 1 1 Turkey Vulture 5 5 2 4 16 Black Vulture 3		3 /	28		2	
Black Duck 1 4 42 164 66 286 Canvasback 200 718 918 Scaup sp. 75 40 115 Common Goldeneye 1 1 1 Bufflehead 14 55 69 Ruddy Duck 577 671 1248 Red-breasted Merganser 1 0 1 11 Hooded Merganser 1 0 1 11 Hooded Merganser 2 7 1 10 10 American Coot 3 3 3 3 3 Turkey Vulture 5 5 2 4 16 16 Black Vulture 3 7 6 16 16 16 Bald Eagle 2 2 2 2 2 Sharp-shinned Hawk 1 1 2 1 2 Red-tailed Hawk 3 2 2 2 1 10 1 Red-shouldered Hawk 1 1 25 26 1 Rilger 1 25 26 1 Ring-billed Gull 6 1 7 10 81					Q	
Canvasback 200 718 918 Scaup sp. 75 40 115 Common Goldeneye 1 1 1 Bufflehead 14 55 69 Ruddy Duck 577 671 1248 Red-breasted Merganser 10 1 11 Hooded Merganser 2 7 1 10 American Coot 3 3 3 3 Turkey Vulture 5 5 2 4 16 Black Vulture 3 7 6 16 Bald Eagle 2 2 2 Sharp-shinned Hawk 1 1 2 Red-shouldered Hawk 1 1 2 Red-shouldered Hawk 1 1 2 American Kestrel 1 1 1 2 Red-shouldered Hawk 1 1 2 1 Riige Bulker 3 8 11 1 H						
Scaup sp. 7 5 40 115 Common Goldeneye 1 1 1 Bufflehead 1 4 5 5 6 9 Ruddy Duck 577 671 1248 Red-breasted Merganser 1 0 1 11 Hooded Merganser 2 7 1 10 American Coot 3 3 3 3 Turkey Vulture 5 5 2 4 16 16 Black Vulture 3 7 6 16 16 Bald Eagle 2 2 2 2 2 Sharp-shinned Hawk 1 1 2 2 2 Red-tailed Hawk 3 2 2 1 10 10 1 Red-shouldered Hawk 1 1 2 2 2 American Kestrel 1 1 2 1 1 Kildeer 3 8 11 11 2 Red-balled Gull 61 7 10 81 159 159 Great Black-backed Gull 1 1 1 1 3 3 22 Belted Kingfisher 2 1 1 1 1 5 5 2<			42	104		
Common Goldeneye 1 1 Bufflehead 1 4 55 69 Ruddy Duck 577 671 1248 Red-breasted Merganser 1 0 1 11 Hooded Merganser 2 7 1 10 American Coot 3 3 3 3 Turkey Vulture 5 5 2 4 16 16 Black Vulture 3 7 6 16 16 16 Bald Eagle 2 2 2 2 Sharp-shinned Hawk 1 1 2 2 2 Red-tailed Hawk 3 2 2 1 1 10 2 Red-shouldered Hawk 1 1 2 2 2 American Kestrel 1 1 2 1 2 Kildeer 3 8 11 1 1 Kildeer 3 8 11 1 1 Ring-billed Gull 6 7 10 81 159 Great Black-backed Gull 1 1 1 3 3 Mourning Dove 6 19 25 5 Belted Kingfisher 2 1 1 1 1 5						
Bufflehead 1 4 5 5 6 9 Ruddy Duck 577 671 1248 Red-breasted Merganser 1 0 1 11 Hooded Merganser 2 7 1 10 American Coot 3 3 3 3 Turkey Vulture 5 5 2 4 16 Black Vulture 3 7 6 16 Bald Eagle 2 2 2 2 Sharp-shinned Hawk 1 1 2 2 Red-tailed Hawk 3 2 2 1 10 Red-shouldered Hawk 1 1 2 1 10 Red-shouldered Hawk 1 1 2 1 1 1 2 Red-shouldered Hawk 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	• •	7 3			1	1
Ruddy Duck 577 671 1248 Red-breasted Merganser 1 0 1 1 1 Hooded Merganser 2 7 1 1 0 American Coot 3 3 3 Turkey Vulture 5 5 2 4 1 6 Black Vulture 3 7 6 16 16 Bald Eagle 2 2 2 2 Sharp-shinned Hawk 1 1 2 2 Red-tailed Hawk 3 2 2 1 1 10 1 Red-shouldered Hawk 1 1 2 2 American Kestrel 1 1 2 1 Kildeer 3 8 11 1 Herring Gull 1 25 26 26 Ring-billed Gull 6 1 7 10 81 159 159 Great Black-backed Gull 1 1 1 3 3 Mourning Dove 6 19 25 26 Belted Kingfisher 2 1 1 1 1 5 5 Common Flicker 5 3 11 3 22 2 Pileated Woodpecker 1 4 8 13 13 Hairy Woodpecker 4 10 9 11 34 34 Red-bellied Woodpecker 4 5 9 16 31		1 /			5.5	6.0
Red-breasted Merganser 10 1 11 Hooded Merganser 2 7 1 10 American Coot 3 3 3 Turkey Vulture 5 5 2 4 16 Black Vulture 3 7 6 16 Bald Eagle 2 2 2 Sharp-shinned Hawk 1 1 1 2 Red-tailed Hawk 3 2 2 1 10 Red-shouldered Hawk 1 1 2 2 American Kestrel 1 1 2 2 Kildeer 3 8 11 1 2 American Kestrel 1 1 25 26 1 1 1 1 1 1 1 1 1 1 1 1 1 1 3 8 1 1 1 1 3 1 1 1 1 1 1 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
Hooded Merganser			1		071	
American Coot 3 3 Turkey Vulture 5 5 2 4 16 Black Vulture 3 7 6 16 Bald Eagle 2 2 2 Sharp-shinned Hawk 1 1 2 Red-tailed Hawk 3 2 2 1 10 Red-shouldered Hawk 1 1 2 2 American Kestrel 1 1 2 1 10 Red-shouldered Hawk 1 1 2 1 10 Red-shouldered Hawk 1 1 2 1 1 1 2 American Kestrel 1 1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 3 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 2		10	2	7	1	
Turkey Vulture 5 5 2 4 16 Black Vulture 3 7 6 16 Bald Eagle 2 2 2 Sharp-shinned Hawk 1 1 1 2 Red-tailed Hawk 3 2 2 1 10 Red-shouldered Hawk 1 1 2 1 American Kestrel 1 1 2 2 American Kestrel 1 1 2 2 Kildeer 3 8 11 1 Herring Gull 1 2 2 6 Ring-billed Gull 61 7 10 81 159 Great Black-backed Gull 1 1 1 3 3 1 1 3 Mourning Dove 6 19 25 2 6 19 25 Belted Kingfisher 2 1 1 3 22 2 Pileated			2	1	3	
Black Vulture 3 7 6 16 Bald Eagle 2 2 Sharp-shinned Hawk 1 1 1 2 Red-tailed Hawk 3 2 2 1 10 Red-shouldered Hawk 1 1 2 1 10 Red-shouldered Hawk 1 1 1 2 2 American Kestrel 1 1 1 2 1 3 3 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 3 8 1		5	5	2	1	
Bald Eagle 2 2 Sharp-shinned Hawk 1 1 2 Red-tailed Hawk 3 2 2 1 10 Red-shouldered Hawk 1 1 2 1 10 American Kestrel 1 1 1 2 1 3 3 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 3 3 8 1 2 2 1 1 1	•		J	7	6	
Sharp-shinned Hawk 1 1 2 Red-tailed Hawk 3 2 2 1 10 Red-shouldered Hawk 1 1 2 1 10 American Kestrel 1 1 2 1 3 3 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 3 3 3 1 1 3 1 1 1 1 1 1 1 1 1 1 3 1 1 1 1 1 1 1 1 2 2 1 1 1 1 1 1 1		J		,		
Red-tailed Hawk 3 2 2 1 10 Red-shouldered Hawk 1 1 2 American Kestrel 1 1 1 Kildeer 3 8 11 Herring Gull 1 25 26 Ring-billed Gull 61 7 10 81 159 Great Black-backed Gull 1 1 1 3 Mourning Dove 6 19 25 Belted Kingfisher 2 1 1 1 5 Common Flicker 5 3 11 3 22 Pileated Woodpecker 1 4 8 13 Hairy Woodpecker 1 4 8 13 Hairy Woodpecker 4 10 9 11 34 Red-bellied Woodpecker 4 5 9 16 31 Red-headed Woodpecker 1 1 2 2 Eastern Phoebe 1 1 2 1 2 1 Common Crow 17	•			1	1	
Red-shouldered Hawk 1 1 2 American Kestrel 1 1 1 Kildeer 3 8 11 Herring Gull 1 25 26 Ring-billed Gull 61 7 10 81 159 Great Black-backed Gull 1 1 1 3 Mourning Dove 6 19 25 Belted Kingfisher 2 1 1 1 5 Common Flicker 5 3 11 3 22 Pileated Woodpecker 1 4 8 13 Hairy Woodpecker 6 6 6 Downy Woodpecker 4 10 9 11 34 Red-bellied Woodpecker 4 5 9 16 31 Red-headed Woodpecker 1 1 2 Eastern Phoebe 1 1 2 Common Crow 17 23 14 7 61 Blue Jay 6 14 15 11 46	·	3	2	2	1	
American Kestrel 1 1 1 1 Kildeer 3 8 1 1 3 1 1 3 1 3 1 3 1 3 2 2 8 1 1 1 1 3 1 3 3 2 2 2 1 1 1 1 5 3 1 1 1 1 5 3 1 1 3 2 2 2 2 1 1 1 1 1 1 3 2 2 2 2 1 1 1 3 3 2 2 2 1 1 1 1 1 1 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 </td <td></td> <td>1</td> <td>_</td> <td>1</td> <td>'</td> <td></td>		1	_	1	'	
Kildeer 3 8 11 Herring Gull 1 25 26 Ring-billed Gull 61 7 10 81 159 Great Black-backed Gull 1 1 1 3 Mourning Dove 6 19 25 Belted Kingfisher 2 1 1 1 5 Common Flicker 5 3 11 3 22 Pileated Woodpecker 1 4 8 13 Hairy Woodpecker 6 6 6 Downy Woodpecker 4 10 9 11 34 Red-bellied Woodpecker 4 5 9 16 31 Red-headed Woodpecker 1 1 2 Eastern Phoebe 1 1 2 Eastern Phoebe 1 1 46 Blue Jay 6 14 15 11 46		1		'		1
Herring Gull 1 25 26 Ring-billed Gull 61 7 10 81 159 Great Black-backed Gull 1 1 1 3 Mourning Dove 6 19 25 Belted Kingfisher 2 1 1 1 5 Common Flicker 5 3 11 3 22 Pileated Woodpecker 1 4 8 13 Yellow-bellied Sapsucker 1 4 8 13 Hairy Woodpecker 6 6 6 Downy Woodpecker 4 10 9 11 34 Red-bellied Woodpecker 4 5 9 16 31 Red-headed Woodpecker 1 1 2 Eastern Phoebe 1 1 2 Eastern Phoebe 1 1 46 Blue Jay 6 14 15 11 46		3		8		11
Ring-billed Gull 61 7 10 81 159 Great Black-backed Gull 1 1 1 3 Mourning Dove 6 19 25 Belted Kingfisher 2 1 1 1 5 Common Flicker 5 3 11 3 22 Pileated Woodpecker 1 4 8 13 Hairy Woodpecker 1 4 8 13 Hairy Woodpecker 4 10 9 11 34 Red-bellied Woodpecker 4 5 9 16 31 Red-headed Woodpecker 1 1 2 Eastern Phoebe 1 1 2 Common Crow 17 23 14 7 61 Blue Jay 6 14 15 11 46		O		1	25	26
Great Black-backed Gull 1 1 1 3 Mourning Dove 6 19 25 Belted Kingfisher 2 1 1 1 5 Common Flicker 5 3 11 3 22 Pileated Woodpecker 1 4 8 13 Yellow-bellied Sapsucker 1 4 8 13 Hairy Woodpecker 6 6 6 Downy Woodpecker 4 10 9 11 34 Red-bellied Woodpecker 4 5 9 16 31 Red-headed Woodpecker 1 1 2 Eastern Phoebe 1 1 2 Common Crow 17 23 14 7 61 Blue Jay 6 14 15 11 46	•	6 1	7	1.0		
Mourning Dove 6 19 25 Belted Kingfisher 2 1 1 1 5 Common Flicker 5 3 11 3 22 Pileated Woodpecker 1 4 8 13 Yellow-bellied Sapsucker 1 4 8 13 Hairy Woodpecker 6 6 6 Downy Woodpecker 4 10 9 11 34 Red-bellied Woodpecker 4 5 9 16 31 Red-headed Woodpecker 1 1 2 Eastern Phoebe 1 1 2 Common Crow 17 23 14 7 61 Blue Jay 6 14 15 11 46	•	1		1	1	
Belted Kingfisher 2 1 1 1 5 Common Flicker 5 3 1 1 3 22 Pileated Woodpecker 1 4 8 1 3 Yellow-bellied Sapsucker 1 4 8 1 3 Hairy Woodpecker 6 6 6 Downy Woodpecker 4 10 9 1 1 3 4 Red-bellied Woodpecker 4 5 9 1 6 3 1 Red-headed Woodpecker 1 1 2 Eastern Phoebe 1 1 2 Common Crow 1 7 2 3 1 4 7 61 Blue Jay 6 1 4 1 5 1 1 46			6		1.9	
Common Flicker 5 3 1 1 3 22 Pileated Woodpecker 1 4 8 1 3 Yellow-bellied Sapsucker 1 4 8 1 3 Hairy Woodpecker 6 6 6 Downy Woodpecker 4 1 0 9 11 3 4 Red-bellied Woodpecker 4 5 9 16 3 1 Red-headed Woodpecker 1 1 2 Eastern Phoebe 1 1 2 Common Crow 1 7 2 3 1 4 7 61 Blue Jay 6 1 4 15 11 46	_	2	1	1	1	
Pileated Woodpecker 1 1 1 Yellow-bellied Sapsucker 1 4 8 13 Hairy Woodpecker 6 6 6 Downy Woodpecker 4 10 9 11 34 Red-bellied Woodpecker 4 5 9 16 31 Red-headed Woodpecker 1 1 2 Eastern Phoebe 1 1 2 Common Crow 17 23 14 7 61 Blue Jay 6 14 15 11 46	_		3	11	3	
Yellow-bellied Sapsucker 1 4 8 13 Hairy Woodpecker 6 6 Downy Woodpecker 4 10 9 11 34 Red-bellied Woodpecker 4 5 9 16 31 Red-headed Woodpecker 1 1 2 Eastern Phoebe 1 1 2 Common Crow 17 23 14 7 61 Blue Jay 6 14 15 11 46		J	0		1	1
Hairy Woodpecker 6 Downy Woodpecker 4 10 9 11 34 Red-bellied Woodpecker 4 5 9 16 31 Red-headed Woodpecker 1 1 2 Eastern Phoebe 1 1 1 Common Crow 17 23 14 7 61 Blue Jay 6 14 15 11 46	•		1	4	8	1.3
Downy Woodpecker 4 10 9 11 34 Red-bellied Woodpecker 4 5 9 16 31 Red-headed Woodpecker 1 1 2 Eastern Phoebe 1 1 1 Common Crow 17 23 14 7 61 Blue Jay 6 14 15 11 46	the state of the s		•	·		
Red-bellied Woodpecker 4 5 9 16 31 Red-headed Woodpecker 1 1 2 Eastern Phoebe 1 1 1 Common Crow 17 23 14 7 61 Blue Jay 6 14 15 11 46	•	4	1.0	9		_
Red-headed Woodpecker 1 1 2 Eastern Phoebe 1 1 1 Common Crow 17 23 14 7 61 Blue Jay 6 14 15 11 46						
Eastern Phoebe 1 1 Common Crow 17 23 14 7 61 Blue Jay 6 14 15 11 46	·		1	Ü	1	
Common Crow 17 23 14 7 61 Blue Jay 6 14 15 11 46	·	1				1
Blue Jay 6 14 15 11 46		17	23	1 4	7	61
		6			11	
	Carolina Chickadeee	17	19	9	1 9	6 4

Results of 1997 SERC winter bird count (11 January 1996)

No. of observers: 14 No. of parties: 4 Party hrs: ca. 29 Weather: clear; T = 25-35°F; winds: calm in early A.M., building to moderate for rest of day Ice: none Sectors: 1 - Camp Letts S. to Dock Rd; 2 - Dock Rd S. to Muddy Creek; 3 - Muddy Creek S. to Cumberstone Rd; 4 - Cumberstone Rd. S. to West River.

_	No	. cour	nted in s	sector	
Species	1	2	3	4	total
Great Blue Heron	1	1		2	4
Tundra Swan	1	1	14	22	38
Mute Swan			2	2	4
Canada Goose	34	28	251		313
Mallard	11	4	3	9	27
Black Duck	14	42	164	66	286
Canvasback	200			718	918
Scaup sp.	75			40	115
Common Goldeneye				1	1
Bufflehead	14			55	6 9
Ruddy Duck	577			671	1248
Red-breasted Merganser	10	1			11
Hooded Merganser		2	7	1	10
American Coot				3	3
Turkey Vulture	5	5	2	4	16
Black Vulture	3		7	6	16
Bald Eagle				2	2
Sharp-shinned Hawk			1	1	2
Red-tailed Hawk	3	2	2	1	10
Red-shouldered Hawk	1		1		2
American Kestrel	1				1
Kildeer	3		8		11
Herring Gull			1	25	26
Ring-billed Gull	61	7	10	81	159
Great Black-backed Gull	1		1	1	3
Mourning Dove		6		19	25
Belted Kingfisher	2	1	1	1	5
Common Flicker	5	3	11	3	22
Pileated Woodpecker				1	1
Yellow-bellied Sapsucker		1	4	8	13
Hairy Woodpecker				6	6
Downy Woodpecker	4	10	9	11	3 4
Red-bellied Woodpecker	4	5	9	16	3 1
Red-headed Woodpecker		1		1	2
Eastern Phoebe	1				1
Common Crow	17	23	14	7	61
Blue Jay	6	14	15	11	46
Carolina Chickadeee	17	19	9	19	6 4

Results of 1997 SERC winter bird count (11 January 1996) - continued

	No. o	counte	ector		
Species	1	2	3	4	total
Tufted Titmouse	4	17	12	16	49
White-br. Nuthatch		2		2	4
Brown Creeper		2	1		3
Carolina Wren		1	2	1	4
Winter Wren	1	1	2		4
Northern Mockingbird	4		2	4	9
Brown Thrasher				2	2
American Robin				24	24
Hermit Thrush		2	9	3	1 4
Eastern Bluebird	5	11	25		4 1
Golden-crowned Kinglet		17	4	6	27
Cedar Waxwing			4	1 4	18
European Starling		1	3	3 1	35
Yellow-rumped Warbler	7	16	9	57	8 9
House Sparrow	2				2
Red-winged Blackbird	103	2		115	220
Common Grackle	7			1	8
Northern Cardinal	3	9	2	16	30
Purple Finch				1	1
House Finch	10				10
American Goldfinch	5	18	6	17	46
Rufous-sided Towhee	2		1	7	10
Dark-eyed Junco	31	107	21	19	178
White-thr. Sparrow	16	141	93	96	346
Swamp Sparrow			1	5	6
Song Sparrow	2	23	17	16	58
Chipping Sparrow			1		1
Fox Sparrow			1		1
Total Species	4 1	36	43	5 1	66

Results of 1997 SERC winter bird count (11 January 1996) - continued

	No.	counte			
Species	1	2	3	4	total
Tufted Titmouse	4	17	12	16	4 9
White-br. Nuthatch		2		2	4
Brown Creeper		2	1		3
Carolina Wren		1	2	1	4
Winter Wren	1	1.	2		4
Northern Mockingbird	4		2	4	9
Brown Thrasher				2	2
American Robin				24	24
Hermit Thrush		2	9	3	1 4
Eastern Bluebird	5	11	25		4 1
Golden-crowned Kinglet		17	4	6	27
Cedar Waxwing			4	14	18
European Starling		1	3	3 1	35
Yellow-rumped Warbler	7	16	9	57	89
House Sparrow	2				2
Red-winged Blackbird	103	2		115	220
Common Grackle	7			1	8
Northern Cardinal	3	9	2	16	30
Purple Finch				1	1
House Finch	10				10
American Goldfinch	5	18	6	17	46
Rufous-sided Towhee	2		1	7	10
Dark-eyed Junco	31	107	21	19	178
White-thr. Sparrow	16	141	93	96	346
Swamp Sparrow			1	5	6
Song Sparrow	2	23.	17	16	58
Chipping Sparrow			1		1
Fox Sparrow			1		1
Total Species	4 1	36	43	 5 1	 66

Results of 1997 SERC winter bird count (11 January 1996) - continued

	No. counted in sector						
Species	1	2	3	4	total		
Tufted Titmouse	4	17	12	16	4 9		
White-br. Nuthatch		2		2	4		
Brown Creeper		2	1		3		
Carolina Wren		1	2	1	4		
Winter Wren	1	1	2		4		
Northern Mockingbird	4		2	4	9		
Brown Thrasher				2	2		
American Robin				24	24		
Hermit Thrush		2	9	3	14		
Eastern Bluebird	5	11	25		41		
Golden-crowned Kinglet		17	4	6	27		
Cedar Waxwing			4	14	18		
European Starling		1	3	3 1	35		
Yellow-rumped Warbler	7	16	9	57	8 9		
House Sparrow	2				2		
Red-winged Blackbird	103	2		115	220		
Common Grackle	7			1	8		
Northern Cardinal	3	9	2	16	3 0		
Purple Finch				1	1		
House Finch	10				10		
American Goldfinch	5	18	6	17	46		
Rufous-sided Towhee	2		1	7	10		
Dark-eyed Junco	31	107	21	19	178		
White-thr. Sparrow	16	141	93	96	346		
Swamp Sparrow			1	5	6		
Song Sparrow	2	23	17	16	5 8		
Chipping Sparrow			1		1		
Fox Sparrow			1		1		
Total Species	41	36	43	5 1	66		

Results of 1997 SERC winter bird count (11 January 1996) - continued

No. counted in sector							
Species	1	2	3	4	total		
Tufted Titmouse	4	17	12	16	4 9		
White-br. Nuthatch		2		2	4		
Brown Creeper		2	1		3		
Carolina Wren		1	2	1	4		
Winter Wren	1	1	2		4		
Northern Mockingbird	4		2	4	9		
Brown Thrasher				2	2		
American Robin				24	24		
Hermit Thrush		2	9	3	1 4		
Eastern Bluebird	5	11	25		4 1		
Golden-crowned Kinglet		17	4	6	27		
Cedar Waxwing			4	1 4	18		
European Starling		1	3	3 1	35		
Yellow-rumped Warbler	7	16	9	57	8 9		
House Sparrow	2				2		
Red-winged Blackbird	103	2		115	220		
Common Grackle	7			1	8		
Northern Cardinal	3	9	2	16	3 0		
Purple Finch				1	1		
House Finch	10				10		
American Goldfinch	5	18	6	17	46		
Rufous-sided Towhee	2		1	7	10		
Dark-eyed Junco	31	107	21	19	178		
White-thr. Sparrow	16	141	93	96	346		
Swamp Sparrow			1	5	6		
Song Sparrow	2	23	17	16	58		
Chipping Sparrow			1		1		
Fox Sparrow			1		1		
Total Species	41	36	43	5 1	66		

Results of 1997 SERC winter bird count (11 January 1996) - continued

<u> </u>	No. o	counte			
Species	1	2	3	4	total
Tufted Titmouse	4	17	12	16	4 9
White-br. Nuthatch		2		2	4
Brown Creeper		2	1		3
Carolina Wren		1	2	1	4
Winter Wren	1	1	2		4
Northern Mockingbird	4		2	4	9
Brown Thrasher				2	2
American Robin				24	24
Hermit Thrush		2	9	3	1 4
Eastern Bluebird	5	11	25		4 1
Golden-crowned Kinglet		17	4	6	27
Cedar Waxwing			4	1 4	18
European Starling		1	3	3 1	35
Yellow-rumped Warbler	7	16	9	57	8 9
House Sparrow	2				2
Red-winged Blackbird	103	2		115	220
Common Grackle	7			1	8
Northern Cardinal	3	9	2	16	3 0
Purple Finch				1	1
House Finch	10				10
American Goldfinch	5	18	6	17	46
Rufous-sided Towhee	2		1	7	10
Dark-eyed Junco	31	107	21	19	178
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Swamp Sparrow			1	5	6
Song Sparrow	2	23	17	16	58
Chipping Sparrow			1		1
Fox Sparrow			1		1
Total Species	4 1	36	43	5 1	66

Results of 1997 SERC winter bird count (11 January 1996) - continued

	No. c	counte	ector_		
Species	1	2	3	4	total
Tufted Titmouse	4	17	12	16	4 9
White-br. Nuthatch		2		2	4
Brown Creeper		2	1		3
Carolina Wren		1	2	1	4
Winter Wren	1	1	2		4
Northern Mockingbird	4		2	4	9
Brown Thrasher				2	2
American Robin				24	24
Hermit Thrush		2	9	3	1 4
Eastern Bluebird	5	11	25		4 1
Golden-crowned Kinglet		17	4	6	27
Cedar Waxwing			4	14	18
European Starling		1	3	3 1	35
Yellow-rumped Warbler	7	16	9	57	8 9
House Sparrow	2				2
Red-winged Blackbird	103	2 .		115	220
Common Grackle	7			1	8
Northern Cardinal	3	9	2	16	3 0
Purple Finch				1	1
House Finch	10				1 0
American Goldfinch	5	18	6	17	46
Rufous-sided Towhee	2		1	7	10
Dark-eyed Junco	31	107	21	19	178
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Swamp Sparrow			1	5	6
Song Sparrow	2	23	17	16	58
Chipping Sparrow			1		1
Fox Sparrow			1		1
Total Species	4 1	36	43	5 1	66

Results of 1997 SERC winter bird count (11 January 1996) - continued

	No. o	counte	•		
Species	1	2	3	4	total
Tufted Titmouse	4	17	12	16	49
White-br. Nuthatch		2		2	4
Brown Creeper		2	1		3
Carolina Wren		1	2	1	4
Winter Wren	1	1	2		4
Northern Mockingbird	4		2	4	9
Brown Thrasher				2	2
American Robin				24	24
Hermit Thrush		2	9	3	1 4
Eastern Bluebird	5	11	25		4 1
Golden-crowned Kinglet		17	4	6	27
Cedar Waxwing			4	14	18
European Starling		1	3	3 1	35
Yellow-rumped Warbler	7	16	9	57	89
House Sparrow	2				2
Red-winged Blackbird	103	2		115	220
Common Grackle	7			1	8
Northern Cardinal	3	9	2	16	3 0
Purple Finch				1	1
House Finch	1 0				1 0
American Goldfinch	5	18	6	17	46
Rufous-sided Towhee	2		1	7	1 0
Dark-eyed Junco	31	107	21	19	178
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Total Species	41	36	43	5 1	66

Results of 1997 SERC winter bird count (11 January 1996) - continued

	No. o	<u>counte</u>	<u>ector</u>		
Species	1	2	3	4	total
Tufted Titmouse	4	17	12	16	4 9
White-br. Nuthatch		2		2	4
Brown Creeper		2	1		3
Carolina Wren		1	2	1	4
Winter Wren	1	1	2		4
Northern Mockingbird	4		2	4	9
Brown Thrasher				2	2
American Robin				24	24
Hermit Thrush		2	9	3	14
Eastern Bluebird	5	11	25		4 1
Golden-crowned Kinglet		17	4	6	27
Cedar Waxwing			4	14	18
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House Sparrow	2				2
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Common Grackle	7			1	8
Northern Cardinal	3	9	2	16	3 0
Purple Finch				1	1
House Finch	10				10
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American Robin				24	24
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Northern Cardinal	3	9	2	16	30
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Northern Mockingbird	4		2	4	9
Brown Thrasher				2	2
American Robin				24	24
Hermit Thrush		2	9	3	14
Eastern Bluebird	5	11	25		4 1
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House Sparrow	2				2
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Northern Cardinal	3	9	2	16	30
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Winter Wren	1	1	2		4
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Brown Thrasher				2	2
American Robin				24	24
Hermit Thrush		2	9	3	14
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House Sparrow	2				2
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Common Grackle	7			1	8
Northern Cardinal	3	9	2	16	30
Purple Finch		,		1	1
House Finch	10				10
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Results of 1997 SERC winter bird count (11 January 1996) - continued

	No. counted in sector				
Species	1	2	3	4	total
Tufted Titmouse	4	17	12	16	4 9
White-br. Nuthatch		2		2	4
Brown Creeper		2	1		3
Carolina Wren		1	2	1	4
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Northern Mockingbird	4		2	4	9
Brown Thrasher				2	2
American Robin				24	24
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Results of 1997 SERC winter bird count (11 January 1996) - continued

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Northern Mockingbird	4		2	4	9
Brown Thrasher				2	2
American Robin				24	24
Hermit Thrush		2	9	3	1 4
Eastern Bluebird	5	11	25		4 1
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Cedar Waxwing			4	1 4	18
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House Sparrow	2				2
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Results of 1997 SERC winter bird count (11 January 1996) - continued

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Winter Wren	1	1	2		4
Northern Mockingbird	4		2	4	9
Brown Thrasher				2	2
American Robin				24	24
Hermit Thrush		2	9	3	1 4
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Results of 1997 SERC winter bird count (11 January 1996) - continued

	No. o	counte			
Species	1	2	3	4	total
Tufted Titmouse	4	17	12	1 6	4 9
White-br. Nuthatch		2		2	4
Brown Creeper		2	1		3
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Winter Wren	1	1	2		4
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Brown Thrasher				2	2
American Robin				24	24
Hermit Thrush		2 .	9	3	1 4
Eastern Bluebird	5	11	25		4 1
Golden-crowned Kinglet		17	4	6	27
Cedar Waxwing			4	1 4	18
European Starling		1	3	3 1	35
Yellow-rumped Warbler	7	16	9	57	8 9
House Sparrow	2				2
Red-winged Blackbird	103	2		115	220
Common Grackle	7			1	8
Northern Cardinal	3	9	2	16	30
Purple Finch				1	1
House Finch	10				1 0
American Goldfinch	5	18	6	17	46
Rufous-sided Towhee	2		1	7	10
Dark-eyed Junco	31	107	21	19	178
White-thr. Sparrow	16	141	93	96	346
Swamp Sparrow			1	5	6
Song Sparrow	2	23	17	16	58
Chipping Sparrow			1		1
Fox Sparrow			1		1
Total Species	4 1	36	43	5 1	66

Results of 1997 SERC winter bird count (11 January 1996) - continued

_	No. o	counte			
Species	1	2	3	4	total
Tufted Titmouse	4	17.	12	1 6	4 9
White-br. Nuthatch		2		2	4
Brown Creeper		2	1		3
Carolina Wren		1	2	1	4
Winter Wren	1	1	2		4
Northern Mockingbird	4		2	4	9
Brown Thrasher				2	2
American Robin				24	24
Hermit Thrush		2	9	3	1 4
Eastern Bluebird	5	11	25		4 1
Golden-crowned Kinglet		17	4	6	27
Cedar Waxwing			4	14	18
European Starling		1	3	3 1	35
Yellow-rumped Warbler	7	16	9	57	8 9
House Sparrow	2				2
Red-winged Blackbird	103	2		115	220
Common Grackle	7			1	8
Northern Cardinal	3	9	2	16	30
Purple Finch				1	1
House Finch	10				10
American Goldfinch	5	18	6	17	46
Rufous-sided Towhee	2		1	7	10
Dark-eyed Junco	31	107	21	19	178
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Swamp Sparrow			1	5	6
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Chipping Sparrow			1		1
Fox Sparrow			1		1
Total Species	4 1	36	43	5 1	66

Results of 1997 SERC winter bird count (11 January 1996) - continued

	No. counted in sector					
Species	1	2	3	4	total	
Tufted Titmouse	4	17	12	16	4 9	
White-br. Nuthatch		2		2	4	
Brown Creeper		2	1		3	
Carolina Wren		1	2	1	4	
Winter Wren	1	1	2		4	
Northern Mockingbird	4		2	4	9	
Brown Thrasher				2	2	
American Robin				24	24	
Hermit Thrush		2	9	3	1 4	
Eastern Bluebird	5	11	25		4 1	
Golden-crowned Kinglet		17	4	6	27	
Cedar Waxwing			4	1 4	18	
European Starling		1	3	3 1	35	
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House Sparrow	2				2	
Red-winged Blackbird	103	2		115	220	
Common Grackle	7			1	8	
Northern Cardinal	3	9	2	16	30	
Purple Finch				1	1	
House Finch	10				10	
American Goldfinch	5	18	6	17	46	
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Dark-eyed Junco	31	107	21	19	178	
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Song Sparrow	2	23	17	16	58	
Chipping Sparrow			1		1	
Fox Sparrow			1		1	
Total Species	4 1	36	43	5 1	66	

Results of 1997 SERC winter bird count (11 January 1996) - continued

No. counted in sector					
Species	1	2	3	4	total
Tufted Titmouse	4	17	12	16	4 9
White-br. Nuthatch		2		2	4
Brown Creeper		2	1		3
Carolina Wren		1	2	1	4
Winter Wren	1	1	2		4
Northern Mockingbird	4		2	4	9
Brown Thrasher				2	2
American Robin				24	24
Hermit Thrush		2	9	3	1 4
Eastern Bluebird	5	11	25		4 1
Golden-crowned Kinglet		17	4	6	27
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European Starling		1	3	3 1	35
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Common Grackle	7			1	8
Northern Cardinal	3	9	2	16	30
Purple Finch				1	1
House Finch	10				10
American Goldfinch	5	18	6	17	46
Rufous-sided Towhee	2		1	7	10
Dark-eyed Junco	31	107	21	19	178
White-thr. Sparrow	16	141	93	96	346
Swamp Sparrow			1	5	6
Song Sparrow	2	23	17	16	58
Chipping Sparrow			1		1
Fox Sparrow			1		1
Total Species	41	36	43	5 1	66

Results of 1997 SERC winter bird count (11 January 1996) - continued

	No. o	counte	ector		
Species	1	2	3	4	total
Tufted Titmouse	4	17	12	16	4 9
White-br. Nuthatch		2		2	4
Brown Creeper		2	1		3
Carolina Wren		1	2	1	4
Winter Wren	1	1	2		4
Northern Mockingbird	4		2	4	9
Brown Thrasher				2	2
American Robin				24	24
Hermit Thrush		2	9	3	1 4
Eastern Bluebird	5	11	25		4 1
Golden-crowned Kinglet		17	4	6	27
Cedar Waxwing			4	14	18
European Starling		1	3	3 1	35
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House Sparrow	2				2
Red-winged Blackbird	103	2		115	220
Common Grackle	7			1	8
Northern Cardinal	3	9	2	16	30
Purple Finch				1	1
House Finch	10	·			10
American Goldfinch	5	18	6	17	46
Rufous-sided Towhee	2		1	7	10
Dark-eyed Junco	31	107	21	19	178
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Swamp Sparrow			1	5	6
Song Sparrow	2	23	17	16	58
Chipping Sparrow			1.		1
Fox Sparrow			1		1
Total Species	4 1	36	43	5 1	66

Results of 1997 SERC winter bird count (11 January 1996) - continued

	No. counted in sector					
Species	1	2	3	4	total	
Tufted Titmouse	4	17	12	16	4 9	
White-br. Nuthatch		2		2	4	
Brown Creeper		2	1		3	
Carolina Wren		1	2	1	4	
Winter Wren	1	1	2		4	
Northern Mockingbird	4		2	4	9	
Brown Thrasher				2	2	
American Robin				24	24	
Hermit Thrush		2	9	3	1 4	
Eastern Bluebird	5	11	25		4 1	
Golden-crowned Kinglet		17	4	6	27	
Cedar Waxwing			4	1 4	18	
European Starling		1	3	3 1	35	
Yellow-rumped Warbler	7	16	9	57	8 9	
House Sparrow	2				2	
Red-winged Blackbird	103	2		115	220	
Common Grackle	7			1	8	
Northern Cardinal	3	9	2	16	30	
Purple Finch				1	1	
House Finch	10				1 0	
American Goldfinch	5	18	6	17	46	
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Dark-eyed Junco	31	107	21	19	178	
White-thr. Sparrow	16	141	93	96	346	
Swamp Sparrow			1	5	6	
Song Sparrow	2	23	17	16	58	
Chipping Sparrow			1		1	
Fox Sparrow			1		1	
Total Species	4 1	36	43	5 1	66	

Results of 1997 SERC winter bird count (11 January 1996)

No. of observers: 14 No. of parties: 4 Party hrs: ca. 29 Weather: clear; T = 25-35°F; winds: calm in early A.M., building to moderate for rest of day Ice: none Sectors: 1 - Camp Letts S. to Dock Rd; 2 - Dock Rd S. to Muddy Creek; 3 - Muddy Creek S. to Cumberstone Rd; 4 - Cumberstone Rd. S. to West River.

	No.	COU	nted in s	sector	
Species	1	2	3	4	total
Great Blue Heron	 1	1		2	4
Tundra Swan	1	1	14	22	38
Mute Swan			2	2	4
Canada Goose	3 4	28	251		313
Mallard	11	4	3	9	27
Black Duck	14	42	164	66	286
Canvasback	200			718	918
Scaup sp.	75			40	115
Common Goldeneye				1	1
Bufflehead	14			5 5	69
Ruddy Duck	577			671	1248
Red-breasted Merganser	10	1			11
Hooded Merganser		2	7	1	10
American Coot				3	3
Turkey Vulture	5	5	2	4	16
Black Vulture	3		7	6	16
Bald Eagle				2	2
Sharp-shinned Hawk			1	1	2
Red-tailed Hawk	3	2	2	1	10
Red-shouldered Hawk	1		1		2
American Kestrel	1				1
Kildeer	3		8		11
Herring Gull			1	25	26
Ring-billed Gull	6 1	7	10	81	159
Great Black-backed Gull	1		1	1	3
Mourning Dove		6		19	25
Belted Kingfisher	2	1	1	1	5
Common Flicker	5	3	11	3	22
Pileated Woodpecker				1	1
Yellow-bellied Sapsucker		1	4	8	13
Hairy Woodpecker				6	6
Downy Woodpecker	4	10	9	11	3 4
Red-bellied Woodpecker	4	5	9	16	3 1
Red-headed Woodpecker		1		1	2
Eastern Phoebe	1				1
Common Crow	17	23	14	7	61
Blue Jay	6	14	15	11	46
Carolina Chickadeee	17	19	9	19	6 4

Results of 1997 SERC winter bird count (11 January 1996) - continued

No. counted in sector					
Species	1	2	3	4	total
Tufted Titmouse	4	17	12	16	4 9
White-br. Nuthatch		2		2	4
Brown Creeper		2	1		3
Carolina Wren		1	2	1	4
Winter Wren	1	1	2		4
Northern Mockingbird	4		2	4	9
Brown Thrasher				2	2
American Robin				24	24
Hermit Thrush		2	9	3	1 4
Eastern Bluebird	5	11	25		4 1
Golden-crowned Kinglet		17	4	6	27
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Chipping Sparrow			1		1
Fox Sparrow			1		1
Total Species	4 1	36	43	5 1	66

FROM: JIM LYNCH

RE: RESULT OF COUNT

DATE: 12 JANUARY 1997

<u>Weather</u>: So far, the winter of 1996-97 has been unusually mild. Temperatures reached into the 70's a week prior to the count, breaking all-time records for the Baltimore-Washington region. This balmy weather quickly deteriorated, and falling temperatures and snow flurries characterized the pre-count week. About 1" of new snow blanketed the count area the night before the count. The morning of the count was calm, clear, and cool (ca. 25° F). The day remained on the cool side, with afternoon temperatures peaking at 34-36° F, but a stiff breeze had built by mid-day. The Rhode River and West River were free of ice, a welcome change from last year's ice-locked conditions.

The count.— We mustered 14 volunteers at the SERC visitor's center at 07:00. As usual, we broke up into four parties, each of which covered a different sector of the 70 km² Rhode River count area (this is only about 5% the size of a standard 1,810 km² Audubon Christmas Count circle). Each party was in the field for 6.5-9 hours. Weather conditions were reasonably good, and our final tally of 66 bird species was moderately high compared with previous SERC counts. We easily exceeded 1996's miserable total of 44 species and 1995's 60 species, but did not match the 1993,1994 counts, which yielded 70 and 68 species, respectively. Last year's icebound conditions were anathema to water birds, and in 1996 we counted only 2 species of waterfowl (Canada Goose and Tundra Swan). This year we tallied 13 waterfowl species, a record for the SERC count. Other major contrasts with last year's results included a steep decline in numbers of Canada Geese (313 vs. 2184) and a huge influx of Ruddy Ducks (none in past three years, vs. 1,248 this year). Unusual species (for the SERC area) in this year's count included the first ever records of Hooded Merganser and American Coot, and our second-ever Fox Sparrow and Chipping Sparrow.

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66 SPP.

	- -		
SERC Winter Bir	d Checklist	Date_	Size Party Hrs
		Party	: Foot Car BoatTotal
Observers	_		. FOOL Cal Boat rotal
Species I	ndividuals	Species	Individuals
Common Loon	1234 BIAL	Common Crow	1 2 3 4 1 2 3 平 4 TOTAL
Common Loon Groat Plus Horon	111 2 (4)	Common Crow Fish Crow	
Great Blue Heron Tundra Swan	1 1 14 22 (38)	Blue Jav	6/14/15/11 (410)
Canada Goose	34 28251 - (313)	Carolina Chickadee	17 19 9 19 (69)
Mallard	11 (3 9 (27)	Tufted Titmouse	4 17 12 16 (49)
Black Duck	14 42 16166 (286)	White-br. Nuthatch	-2-2 4
Wood Duck		Red-br. Nuthatch	
Redhead		Brown Creeper	-21-3
Canvasback	200 718 (918)	Carolina Wren	-121 9
Greater Scaup		Winter Wren	1112- (4)
esser scaup		N. Mockingbird	4024 (10)
Scaup sp.	75 1940 (115)	Brown Thrasher	2 (2)
Comm. Goldeneve		Gray Catbird	- - -
Bufflehead	14 55 (69)	American Robin	24 6
Ruddy Duck	577 671 (248)	Hermit Thrush	-293 (14)
Red-br. Merganser	101 (11)	Eastern Bluebird	5 11 25 - (41)
Oldsquaw		Ruby-cr. Kinglet	- - -
Turkey Vulture	5524 (16)	Golden-cr. Kinglet	- 1746 (27)
Black Vulture	3076 (16)	Cedar Waxwing	- 4 14 (18)
Bald Eagle	2 2	European Starling	- 1331 35
Sharp-shinned Hawk	112	Yellrumped Warbler	7 16 9 57 (89)
Red-tailed Hawk	3221	House Sparrow	2 2
Red-shouldered Hawk	11-1- (2)	Red-winged Blackbird	103 2 -15 (120)
American Kestrel	11	Eastern Meadowlark	
Bobwhite		Common Grackle	71
Kildeer	3 - 8 - (1)	Brown-headed Cowbird	
Herring Gull	1 25 (26)	Northern Cardinal	3 9 23 16 (30)
Ring-billed Gull	6171081 (159)	Purple Finch	
Gr. Black-backed Gull		House Finch	10 (10)
Mourning Dove	-6-19 (25)	Am. Goldfinch	5 18 6 17 (46)
Great Horned Owl	-	Rufsided Towhee	2-17 (10)
Barred Owl		Dark-eyed Junco	31 107 21 19 (78)
Barn Owl		Field Sparrow	11/10/92 98 (346)
Belted Kingfisher	2111 (5)	Whthroated Sparrow	16 181 13
Common Flicker	53113 (22)	Swamp Sparrow	15 6
Pileated Woodpecker	1-1-11	Song Sparrow	2 23 17 16 (58)
Yellow-bel. Sapsucker		Mure Swan	- - 2 2 (4)
Hairy Woodpecker	6 6	Hoded Wests.	-271 (10 -1-1 (2)
Downy Moodpooker	u o a 1 (3 u)	Pai-h. Woodreeler	

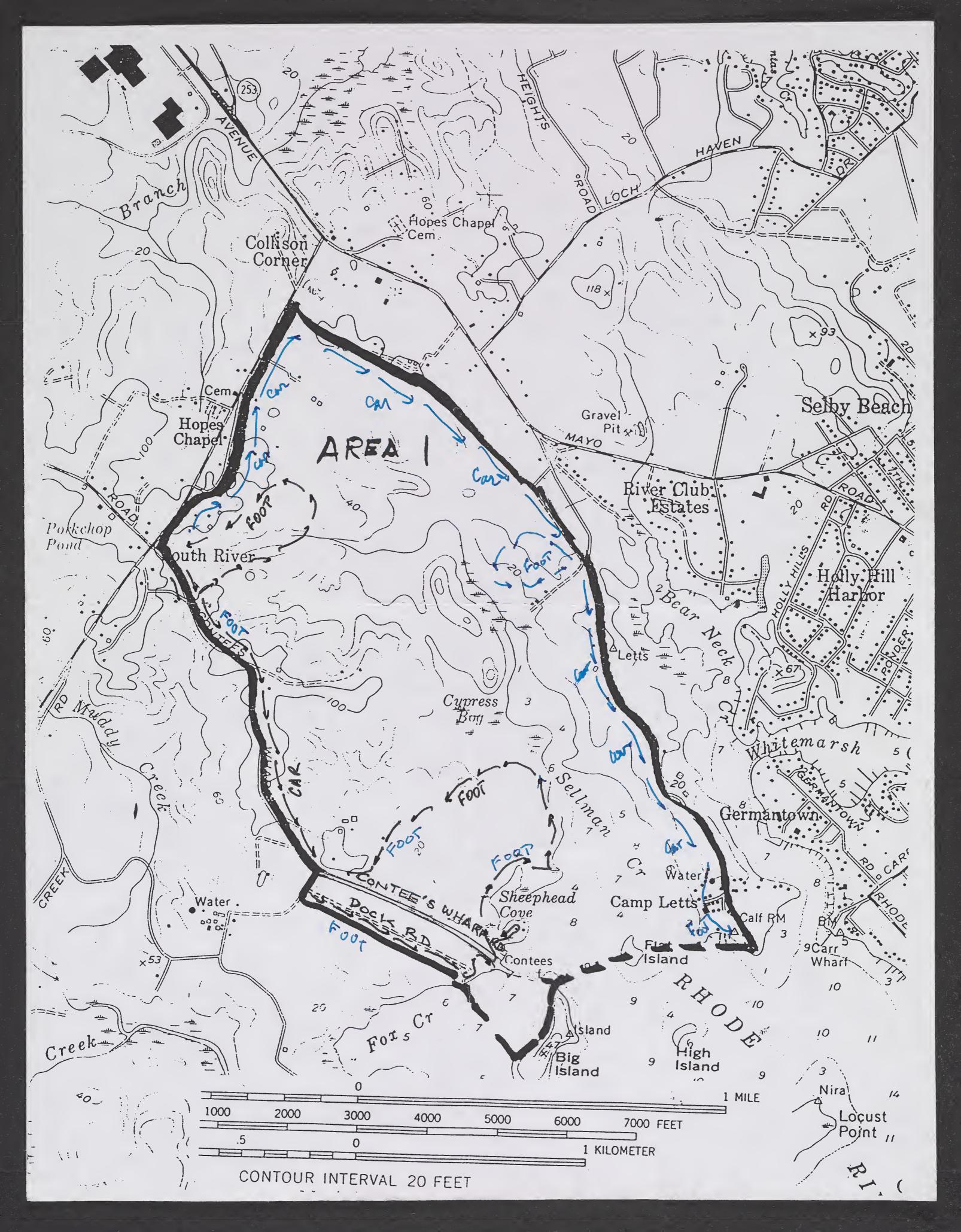
Chipping Sparrow -- 1 Fox Sparrow -- 1 American Coot -- 31 23 15 18 25 31 Rare or sporadic at SERC in winter: Red-throated Loon, Pied-billed grebe, Horned Grebe, Pintail, American Widgeon, Green-winged Teal, Wood Duck, Mute Swan, Cooper's Hawk, Marsh Harrier, American Coot, American Woodcock, Common Snipe, Virginia Rail, Rock Dove, Semi-palmated Plover, Screech Owl, Red-headed Woodpecker, Marsh Wren, Evening Grosbeak, Pine Siskin, White-crowned Sparrow, Fox Sparrow, Chipping Sparrow, Tree Sparrow

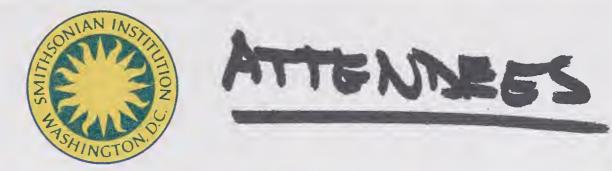
Sector + TOTAL 4-51

Red-bellied Woodpecker 45 9 16

Eastern Phoebe

Grand Total: 66 species





SMITHSONIAN ENVIRONMENTAL RESEARCH CENTER

Nanny Polent Paul McGellister Betwy Von Halle (+ 1?) Jess Parker + 1 Denny + Sev. Dany BysTrak Paul Foronoff Mork - Sheila Tod + Chris? Laurie + John (Ph) Jim + Linda amis Soun Thris Barkan Edgewater, Maryland 21037

730-12:15

Date 11 Jan 97 Sector 1 SERC Winter Bird Checklist Party Size 4 Party Hrs 4344M Observers_VFL Miles: Foot__ Car__ Boat__ Total Individuals Individuals **Species** Species Common Loon Common Cro Fish Crow Great Blue Heron Blue Jay + Tundra Swan Canada Goose 9 douk + 75 Carolina Chickadee Mallard C **Tufted Titmouse** Black Duck 1074 White-br. Nuthatch Wood Duck Red-br. Nuthatch Redhead Brown Creeper-200 Canvasback Carolina Wren Greater Scaup Winter Wren N. Mockingbird Lesser scaup 45 Brown Thrasher Scaup sp. Comm. Goldeneve Gray Catbird Bufflehead 11 + 11 American Robin Ruddy Duck 4 +8+4 Hermit Thrush Red-br. Merganser Eastern Bluebird Ruby-cr. Kinglet Oldsquaw Turkey Vulture 1 Golden-cr. Kinglet Black Vulture Cedar Waxwing Bald Fagle European Starling Yeil,-rumped Warbler Sharp-shinned Hawk Red-tailed Hawk House Sparrow Red-winged Blackbird 2 Red-shouldered Hawk Sparrow hand Eastern Meadowlark American Kestrel Common Grackle 4 **Bobwhite** (3) Brown-headed Cowbird Kildeer Northern Cardinal II Herring Gull 40 Rina-billed Gull Purple Finch +60 House Finch Gr. Black-backed Gull Mourning Dove Am. Goldfinch Ruf.-sided Towhee Great Horned Owl Dark-eyed Junco Barred Owl Field Sparrow Barn Owl 16 Wh.-throated Sparrow Belted Kingfisher 11 Common Flicker Swamp Sparrow (2) Pileated Woodpecker Song Sparrow

unideparton +ypes -25 or so Rare or sporadic at SERC in winter: Red-throated Loon, Pied-billed grebe, Horned Grebe, Pintail, American Widgeon, Green-winged Teal, Wood Duck, Mute Swan, Cooper's Hawk, Marsh Harrier, American Coot, American Woodcock, Common Snipe, Virginia Rail, Rock Dove, Semi-palmated Plover, Screech Owl, Red-headed Woodpecker. Marsh Wren, Evening Grosbeak, Pine Siskin, White-crowned Sparrow, Fox Sparrow, Chipping Sparrow, Tree Sparrow

Yellow-bel. Sapsucker

Hairy Woodpecker

Eastern Phoebel

Downy Woodpecker

Red-bellied Woodpecker

T= totals Porday

-	SERC Winter Bird Checklist		Date 1 1 97 Sector 3
	mol sinalgers.	mal	Party Size 3 Party Hrs
	Observers Denny Whigham		Miles: Foot Car BoatTotal
	Chris Swarth		
	Species Individuals		Species 33 Individuals
	Common Loon	T=14 2	Common Crow
	Great Blue Heron		Fish Crow
4 12		T=15 5	
71 44			Carolina Chickadee
3	Mallard 12	T=12 6	
4 159	Black Duck 1809	1-1- 4	White-br. Nuthatch
9	Wood Duck	•	Red-br. Nuthatch
	Redhead	T=1	Brown Creeper
	Canvasback	T=2	Carolina Wren
	Greater Scaup	1-2	Winter Wren
	Lesser scaup	T=2 3	N. Mockingbird
	Scaup sp.	(1	Brown Thrasher 17
	Comm. Goldeneye	(Gray Catbird
•	Bufflehead		American Robin
	Ruddy Duck 1	Tag 1	Hermit Thrush 11112
	Red-br. Merganser	T=25 2	4 Eastern Bluebird 20, 4
	Oldsquaw		Ruby-cr. Kinglet
	Turkey Vulture	T=4	Golden-cr. Kinglet
7 1	Black Vulture	T24 1	Cedar Waxwing 3,1
	Bald Eagle	T=3	European Starling 1
l	Sharp-shinned Hawk \$	I=9 :	Yellrumped Warbler /, /
2	Red-tailed Hawk		House Sparrow
1 1	Red-shouldered Hawk 1	-	Red-winged Blackbird
	American Kestrel	•	Eastern Meadowlark
"	Bobwhite		Common Grackle
8	Kildeer	-	Brown-headed Cowbird
1	Herring Gull	- T=23 1	Northern Cardinal 12, 2
10	Ring-billed Gull	-	Purple Finch
1	Gr. Black-backed Gull		House Finch
	Mourning Dove	T=6 4	Am. Goldfinch 4
	Great Horned Owl	_T=1	Rufsided Towhee
	Barred Owl	T=2118	
	Barn Owl	_	Field Sparrow
1 1	Belted Kingfisher	T=93 3	
11 4	Common Flicker / / /	-T=1	Swamp Sparrow
	Pileated Woodpecker	一下汗	Song Sparrow 1, 1
4 (Yellow-bel. Sapsucker /	T=1	
a 2	Hairy Woodpecker	•	Chipping sparrow
9 3	Downy Woodpecker	T=7	Hooded Merganser
9 3	Red-bellied Woodpecker	T=2	muteswan
	Eastern Phoebe	1=2	Coot

MS 445

3 Hooked margaren 2,1-2 Muse sum 2

Sparrow, Fox Sparrow, Chipping Sparrow, Tree Sparrow

Screech Owl, Red-headed Woodpecker, Marsh Wren, Evening Grosbeak, Pine Siskin, White-crowned

3 Cost 3

SERC Winter Bird Checklist	Date 1/11 97 Sector 3
Stephenie Jamis	
Observers Delan Island	
Observers Denny Whigham	
Chris Swatch	Species 35 Individuals
Species Individuals	Species 35 Individuals
	13213
Common Loon	Common Crow 13212112
Great Blue Heron	Fish Crow
Tundra Swan 2	Blue Jay 1,5
V Canada Goose 6, 6, 54, 30, 8, 29, 26,38	Carolina Chickadee +
∨ Mallard	5 \ Tufted Titmouse 2 1/1
V Black Duck 5	White-br. Nuthatch
Wood Duck	Red-br. Nuthatch
Redhead	Brown Creeper
Canvasback	2 Carolina Wren d
Greater Scaup	Winter Wren /,/
Lesser scaup	N. Mockingbird
Scaup sp.	Brown Thrasher
Comm. Goldeneye	Gray Catbird
Bufflehead	American Robin
Ruddy Duck	Hermit Thrush
Red-br. Merganser	Eastern Bluebird
Oldsquaw	Ruby-cr. Kinglet
Turkey Vulture 1.1	Golden-cr. Kinglet 2 2
V Black Vulture 3 2, 1	∨ Cedar Waxwing
Bald Eagle	2 V European Starling &
Sharp-shinned Hawk	7 Vellrumped Warbler 1,42
V Red-tailed Hawk 1. 1	House Sparrow
Red-shouldered Hawk	Red-winged Blackbird
American Kestrel	Eastern Meadowlark
Bobwhite	Common Grackle
V Kildeer 2, 2 ⊔	Brown-headed Cowbird
Herring Gull /	9 V Northern Cardinal ////, 2,1,2
Ring-billed Gull 2,8,	Purple Finch
Gr. Black-backed Gull	House Finch
Mourning Dove	2 Am. Goldfinch
Great Horned Owl	Rufsided Towhee
Barred Owl	1 Dark-eyed Junco 8
Barn Owl	Field Sparrow
Belted Kingfisher	Whthroated Sparrow 4 10, 12, 10, 20,
Common Flicker 111,4	Swamp Sparrow
Pileated Woodpecker	Song Sparrow 11,1,10
Yellow-bel. Sapsucker / //	
Hairy Woodpecker	1 Chipping Sparenul
	1 En Snankow
Downy Woodpecker / 2 / / / / / / / / / / / / / / / / /	1 Fry Spankow I

mouning

Rare or sporadic at SERC in winter: Red-throated Loon, Pied-billed grebe, Horned Grebe, Pintail, American Widgeon, Green-winged Teal, Wood Duck, Mute Swan, Cooper's Hawk, Marsh Harrier, American Coot, American Woodcock, Common Snipe, Virginia Rail, Rock Dove, Semi-palmated Plover, Screech Owl, Red-headed Woodpecker, Marsh Wren, Evening Grosbeak, Pine Siskin, White-crowned Sparrow, Fox Sparrow, Chipping Sparrow, Tree Sparrow

4 Hodded Mergansu 2,2

	SERC Winter Bird	d Checklist		Date Jan9+ Sector
			r- 1	Party Size 3 Party Hrs
	Observers Chris Ba	irkan, Paul	roton	Party Size 3 Party Hrs Miles: Foot Car Boat Total
	Karren	, Martis (7	135-9	:45)
	Species In	ndividuals	only'	Species Individuals
		10-12:15 1:15-		7:35-9:45 70-12:15 1:15-4:00 4:15-4:30
		4:00		
	Common Loon 9:45		23	Common Crow +11+11 /// 2,2 5
1	Great Blue Heron		1.0	Fish Crow
1	Tundra Swan	/		Blue Jay - HT LHT IIII
28	Canada Goose 8, 2, 18	0 7		Calolina Chichauce 12,2 2,2
4	Mallard Black Duck 2	70 100		Tufted Titmouse 2,1 2,3 1,3,4,1
42	DIACK DOOK	30,10,10	6	White-br. Nuthatch
	Wood Duck			Red-br. Nuthatch
	Redhead	y and the second	7	Brown Creeper
	Canvasback		1	Carolina Wren
	Greater Scaup	Can	1	Winter Wren
	Lesser scaup			N. Mockingbird
	Scaup sp.	object of the state of the stat		Brown Thrasher
	Comm. Goldeneye			Gray Catbird
	Bufflehead	Total Control		American Robin Hormit Thrush
	Ruddy Duck	Tanana and the same and the sam	2	LIGHTILL THUSH
1	Red-br. Merganser		11	Eastern Bluebird
	Oldsquaw		0	Ruby-cr. Kinglet 1.3.3.2.13.11
5	Turkey Vulture	1 2,2	17	Golden-cr. Kingler
	Black Vulture		8	Cedar Waxwing
	Bald Eagle	Action of the second		European Starling Yeil -rumped Warbler 1,2 1,3,2,3
	Sharp-shinned Hawk	er passed	16	TOIL TOTAL POOR TRAINING
2	Red-tailed Hawk 2	77 - 14		House Sparrow
	Red-shouldered Hawk	encided on	2	Red-winged Blackbird &
	American Kestrel	en e		Eastern Meadowlark
	Bobwhite	D. Andrewski		Common Grackle
	Kildeer	The second secon	2	Brown-headed Cowbird
	Herring Gull	Billiof days one	9	Northern Cardinal (11) 2,2
7	Ring-billed Gull 1	Dispersion of		Purple Finch
	Gr. Black-backed Gull	No contract of the contract of		House Finch
6	Mourning Dove	16	18	Am. Goldfinch 3,4,8
r	Great Horned Owl			Rufsided Towhee
	Barred Owl	Control of the state of the sta	107	Dark-eyed Junco 6,64,8,4,6 6,6,2,30 10,6
	Barn Owl	P. Der Stiller	C	Field Sparrow
1	Belted Kingfisher	P. Sandillo	141	Whthroated Sparrow15, 4 12, 6, 6 6, 12, 5, 55, 10
3	Common Flicker	Ester-up		Swamp Sparrow 12'4 1 13
	Pileated Woodpecker	Commence of the Commence of th		Solid Spallow
1	Yellow-bel. Sapsucker		2	Hondred Morganger 2
	Hairy Woodpecker	e action (s)	. 1	Red Verhard Ulminestra
10	Downy Woodpecker			
5	Red-bellied Woodpeck			
	Eastern Phoebe	positive (ii)		
		Carlos - Paris		

Rare or sporadic at SERC in winter: Red-throated Loon, Pied-billed grebe, Horned Grebe, Pintail, American Widgeon, Green-winged Teal, Wood Duck, Mute Swan, Cooper's Hawk, Marsh Harrier, American Coot, American Woodcock, Common Snipe, Virginia Rail, Rock Dove, Semi-palmated Plover, Screech Owl, Red-headed Woodpecker, Marsh Wren, Evening Grosbeak, Pine Siskin, White-crowned Sparrow, Fox Sparrow, Chipping Sparrow, Tree Sparrow

"Target" species - often in area, but missed on some counts

All loons and grebes

All herons and egrets

Tundra Swan and Mute Swan

All ducks except Mallard, Black Duck, Bufflehead, Leser Scaup, Canvasback

Bald Eagle

All hawks except Red-shouldered Hawk

All owls

All gulls except Ring-billed Gull

All shorebirds

Rock Dove

Bobwhite

Wild Turkey

Red-headed Woodpecker

Eastern Phoebe

Fish Crow

Red-breasted Nuthatch and White-breasted Nuthatch

Winter Wren

Brown Thrasher

Gray Catbird

Hermit Thrush

American Robin

Ruby-crowned Kinglet

Loggerhead Shrike

Brown-headed Cowbird

Common Grackle

Purple Finch and House Finch

All sparrows except House, White-throated, and Song